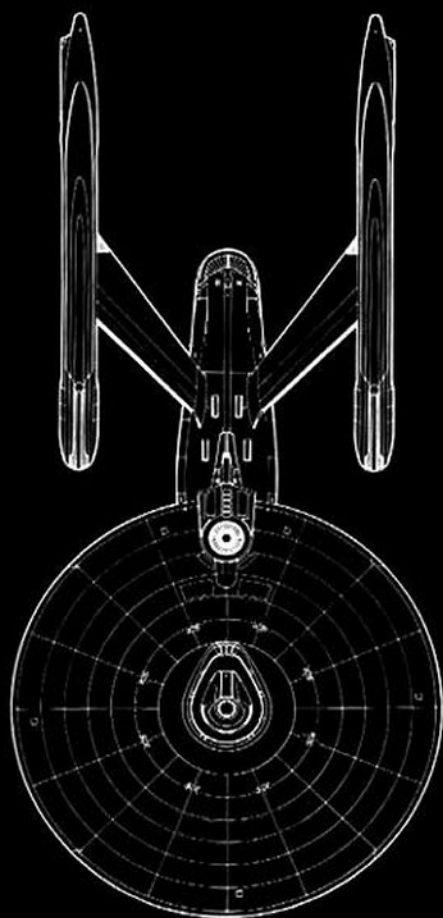




The Best of Jackill's STAR FLEET REFERENCE MANUAL Ships of the Fleet



Written and Illustrated by
Eric Kristiansen



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INTRODUCTION

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GENERAL INFORMATION

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INTRODUCTION

Statistics

This is an overview of what some of the statistical information you will run across in this reference manual mean.



Acceleration Power: Is the value that a warp number is raised to to determine its speed as a multiple of light.

Acceleration Rate: Lists the various times it takes to accelerate the vessel through sublight speeds.

Acceleration Times: Lists the time it takes to accelerate from one warp value to the next. It should be noted that although an acceleration time may be given, the craft may not be designed to reach that speed without disintegration.

Beds: Lists the number of beds in the medical facility.

Bottom Profile: This profile is used for familiarization of the bottom view of the vessel.

Breakdown Rate: Is the amount of power in watts that will eventually break down the shields if applied constantly.

Brigs: Lists the number of detention cells.

Cargo Specification: Lists the number of standard cargo units and the cargo capacity of all the containers.

Category: Lists the general classification of the ship such as frigate, destroyer, freighter, etc..

Class Emblem: Each ship class is given a distinct logo design to represent the entire class.

Classification: Lists the exact designation of the craft, such as assault frigate or attack frigate.

Class: Is the name assigned to distinct vessel designs to distinguish one design from another. An example being one heavy cruiser from another heavy cruiser design.

Cloaking Devices: Lists if the vessel is equipped with a cloaking shield.

Computers: Lists the number and type of computers onboard.

Cross Section: This cut away view is used for general familiarization of the interior arrangement of the vessel.

Cross Section Area: Lists the optimum cross section area that the warp field has for each profile.

Destructive Speed: Is the speed at which the vessel will start to tear apart due to excessive stress.

Dimensions: Listed in meters for various parts of the ship from the primary hull to the propulsion systems.

Doctors: Lists the number of medical doctors that are normally onboard.

Dry Dock Area Usage: Gives the usable construction area inside the dry dock for its standard configuration.

Dry Dock Profiles: Gives top, port and front views of the dry dock with an Enterprise Class Heavy Cruiser used to give a reference of the facility's size.

Duration: Is given for both standard (years between upgrades) and maximum (maximum years until the craft must be rebuilt) missions.

ECM Index: Is given as general guide to the craft's ability to evade detection. The index norm is based on the Heavy Cruiser.

Emergency Condition: Is the additional number of people that the craft can carry in an emergency.

Emergency Speed: Lists the fastest that the craft can travel for very short periods of time. The longer the craft travels at this speed the more the engines and hull are damaged.

Field Height: Is the optimum warp field height listed in meters.

Field Length: Is the optimum warp field length listed in meters.

Field Width: Is the optimum warp field width listed in meters.

Front Profile: This profile is used for familiarization of the front view of the vessel.

General Information: Is used to deliver additional information about the vessel.

Holdoff Power: Is given in watts and determines the power level that will breach the shields.

Hx: (Hertz) Cycle per second.

Impulse Engine Output: Lists the engine output in watts.

Impulse Power Index: Is given as general guide to the vessel's overall impulse power. The index norm is based on the Heavy Cruiser.

Impulse Unit: Lists the impulse engine model number.

Laboratories: Lists the number of individual laboratories.

Max. Cruising: Lists the maximum speed that the impulse drive can propel the vessel.

Maximum Speed: Lists the fastest that the vessel can travel for sixty seconds before complete engine destruction.

Max. Safe Cruising: Lists the warp that the vessel can travel without substantial decrease in handling and safety. This speed is the fastest that the craft can travel without damaging the engines.

Medical Facilities: List the statistics of the medical facility.

Model: Is a Roman numeral that is distinct to each vessel category for each type/class.

Naval Construction Contract: Lists the number series assigned to that particular vessel series for construction and vessel registration.

Number Constructed: Lists how many vessels have been built.

Number in Service: Lists how many vessels are on active duty.

Number Lost: Lists how many vessels have been destroyed or decommissioned for various reasons.

Number Proposed: Lists the number of vessels that are to be built.

Nurses: Lists the number of nurses that are normally aboard.

Operating Rooms: Lists the number of fully equipped operating rooms.

Optimum Speed: Lists the warp that the vessel travel with the best fuel-distance ratio with minimal wear to the engine(s).

Output: Listed in watts for each shot for both burst and continuous fire, if available.

Passengers: Lists the number of passengers that the craft may carry.

Port Profile: This profile is used for familiarization of the port view of the vessel.

Phaser Power Index: Is given as general guide to the vessel's phaser power. The index norm is based on the Heavy Cruiser.

Photon Power Index: Is given as general guide to the vessel's

photon torpedo power. The index norm is based on the Heavy Cruiser.

Primary Reactor Output: List the output of the primary power source in watts.

Range: Is the weapons' effective range.

Rate of Fire: Lists the number of shots per minute that the weapon is able to fire.

Rear Profile: This profile is used for familiarization of the rear view of the vessel.

Refresh Rate: Is given in watts and shows how fast the shields will replenish themselves.

Replicators: Lists the vessel's ability to create materials and equipment.

Secondary Reactor Output: List the output of the secondary power source in watts.

Sensor Index Values: Is a general guide to the vessel's sensor abilities. The index norm is based on the Heavy Cruiser.

Shield Dimensions: Listed in meters for the normal operating dimensions of the shields.

Shield Index: Is given as general guide to the vessel's overall shield power. The index norm is based on the Heavy Cruiser.

Shield Rating: Lists the specification of the shields.

Ship Names: Is an alphabetical listing along with their naval construction contract numbers for the vessels that have been authorized for construction.

Shuttlecraft Bays: Listed below are the general dimensions for each category of shuttlecraft bay.

Small Bay: Landing area dimensions of 20-800 sq.m with a normal deck height of 2.4-6 meters. Vehicle storage area dimensions of 20-800 sq.m with a normal deck height of 2.4 meters.

Medium Bay: Landing area dimensions of 800-2000 sq.m with a normal deck height of 6-10 meters. Vehicle storage area dimensions of 800-2000 sq.m with a normal deck height of 2.4 meters.

Large Bay: Landing area dimensions of 2000-10000 sq.m with a normal deck height of 6-10 meters. Vehicle storage area dimensions of 2000-10000 sq.m with a normal deck height of 2.4-3.2 meters.

Super Bay: Landing area dimensions of 10000+ sq.m with a normal deck height of 8-12 meters. Vehicle storage area dimensions of 10000+ sq.m with a normal deck height of 2.4-4.8 meters.

Shuttlecraft Specifications: Lists the number of docking ports, shuttlecraft bays, number and type of shuttlecrafts and lifeboats.

Silhouettes: Is given for both recognition and to show the vessels' target area from various profiles. The smaller the area, the harder the ship is to target from that profile. The area values do not take into consideration the vessel's electronic counter measures.

Size Comparison: Gives port views for a comparison of the vessels' size in relation to other vessels.

Speed vs. Time: Is a graph that shows warp speed vs. time.

Std. Ships Complement: Is the standard number of crew members for the vessel. The listing is broken up into Officers, Crew and Troops.

Stock: Is given if the weapon has a finite supply of shots.

Telemetry: Lists the number of communication channels available for transmission of data and the power output of those transmissions listed in watts.

Top Profile: This profile is used for familiarization of the top view of the vessel.

Total Target Area: Is created by adding the top, port and front areas to give a generalization of the vessels overall target size.

Tractor Beam Specifications: Uses a tractor beam load calculator to calculate range vs. tonnage at each warp speed (See Tractor Beam on page SRM1 05:01:01:01 for information on how to use).

Tractor Beams: Is given for both the max. range and tow capacity.

Transporters: Lists the total number and type of units.

Type: Is a general term used to categorize the crafts abilities.

Class 1: Is used for starships that are designed with flexibility in their operating parameters.

Class 2: Is used for support ships that are designed for a specific mission and don't have much flexibility in their design.

Class 3: Is used for space station and habitable space facilities. The general rule is that the complex has recreational facilities and permanent residences.

Class 4: Is used for space facilities such as dry docks and refineries, generally not used as habitable environments.

Class 5: Is used for shuttlecraft and small support vessels.

Class 6: Is used for automated craft and facilities with little or no habitable environment provided for in the design.

Class 7: Is used to designate non-powered, space-going vessels such as cargo containers.

Class 8: Is used to designate items such as torpedoes, probes and buoys.

Vessel Power Index: Is given as general guide to the craft's overall weapon power. The index norm is based on the Heavy Cruiser.

Warp Engine Output: Lists the intermix chamber output in watts.

Warp Fields: Shows the field curvature around the vessel at optimum field configuration. The more slender the lateral field the less energy needed to propel the craft through space.

Warp Power Index: Is given as general guide to the craft's overall warp power. The index norm is based on the Heavy Cruiser.

Warp Speed/Power Graph: Is a two-sided graph used to show the power consumption based on the speed of the vessel.

Warp Units: Lists the warp drive model number.

Weapon (Type) Total: Gives the number of banks/bays and how many phasers/tubes per bank/bay. (A weapon location is given for the position of each weapon facing and can be used as a general guide of the weapon's angle of attack).

STARSHIPS

General Information

Warp Conversion



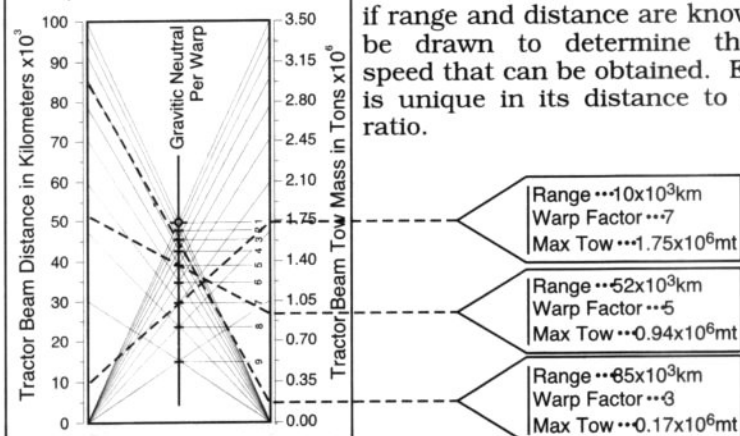
NEW WARP NUMBER	OLD WARP NUMBER	MULTIPLE OF LIGHT	KILOMETERS PER SECOND
1.0	1.000	1.000	3.000E+08
1.5	1.500	3.375	1.013E+09
2.0	2.000	8.000	2.400E+09
2.5	2.500	15.625	4.688E+09
3.0	3.000	27.000	8.100E+09
3.5	3.500	42.875	1.286E+10
4.0	4.000	64.000	1.920E+10
4.5	4.500	91.125	2.734E+10
5.0	5.000	125.000	3.750E+10
5.5	5.500	166.375	4.991E+10
6.0	6.000	216.000	6.480E+10
6.5	6.500	274.625	8.239E+10
7.0	7.000	343.000	1.029E+11
7.5	7.500	421.875	1.266E+11
8.0	8.000	512.000	1.536E+11
8.5	8.500	614.125	1.842E+11
9.0	9.000	729.000	2.187E+11
9.1	9.146	765.055	2.295E+11
9.2	9.247	790.555	2.372E+11
9.3	9.347	816.615	2.450E+11
9.4	9.448	843.242	2.530E+11
9.5	9.548	870.441	2.611E+11
9.6	9.649	898.219	2.695E+11
9.7	10.034	1010.245	3.031E+11
9.8	10.638	1203.979	3.612E+11
9.9	11.739	1617.612	4.853E+11
9.91	11.908	1688.707	5.066E+11
9.92	12.098	1770.638	5.312E+11
9.93	12.313	1866.633	5.600E+11
9.94	12.560	1981.553	5.945E+11
9.95	12.853	2123.180	6.370E+11
9.96	13.210	2305.081	6.915E+11
9.97	13.669	2554.007	7.662E+11
9.98	14.316	2934.319	8.803E+11
9.99	15.432	3675.405	1.103E+12
9.991	15.604	3799.421	1.140E+12
9.992	15.797	3941.975	1.183E+12
9.993	16.017	4108.788	1.233E+12
9.994	16.272	4308.539	1.293E+12
9.995	16.577	4555.250	1.367E+12
9.996	16.954	4873.590	1.462E+12
9.997	17.449	5312.688	1.594E+12
9.998	18.163	5992.066	1.798E+12
9.999	19.437	7343.184	2.203E+12
9.9991	19.637	7572.248	2.272E+12
9.9992	19.863	7836.429	2.351E+12
9.9993	20.121	8146.662	2.444E+12
9.9994	20.424	8519.567	2.556E+12
9.9995	20.787	8982.026	2.695E+12
9.9996	21.239	9581.403	2.874E+12
9.9997	21.836	10412.178	3.124E+12
9.9998	22.705	11704.576	3.511E+12
9.9999	24.267	14291.193	4.287E+12
9.99991	24.514	14731.166	4.419E+12
9.99992	24.792	15238.967	4.572E+12
9.99993	25.112	15835.749	4.751E+12
9.99994	25.486	16553.658	4.966E+12
9.99995	25.935	17444.704	5.233E+12
9.99996	26.496	18600.541	5.580E+12
9.99997	27.236	20204.037	6.061E+12
9.99998	28.315	22700.887	6.810E+12
9.99999	30.258	27703.301	8.311E+12
9.999991	30.565	28554.627	8.566E+12
9.999992	30.912	29537.311	8.861E+12
9.999993	31.310	30692.322	9.208E+12
9.999994	31.775	32081.924	9.625E+12
9.999995	32.335	33806.861	1.014E+13
9.999996	33.033	36044.671	1.081E+13
9.999997	33.955	39149.589	1.174E+13
9.999998	35.299	43984.986	1.320E+13
9.999999	37.721	53674.040	1.610E+13
9.9999991	38.104	55323.067	1.660E+13
9.9999992	38.536	57226.564	1.717E+13
9.9999993	39.032	59463.899	1.784E+13
9.9999994	39.612	62155.694	1.865E+13
9.9999995	40.309	65497.121	1.965E+13
9.9999996	41.180	69832.116	2.095E+13
9.9999997	42.330	75846.938	2.275E+13
9.9999998	44.005	85214.189	2.556E+13
9.9999999	47.024	103984.404	3.120E+13

Tractor Beam

To use the Tractor Beam Load Calculator determine the needed factors such as distance, speed and weight. To use the calculator you must have at least two of these factors known. Here is an example, if distance and speed are known, start at the right of the graph and locate the distance mark for the range. Then look to the center to find the gravitic neutral for that speed, draw a line from the distance mark through the correct speed marking. Where the line crosses the mass line determines the maximum mass that can be towed at a given speed and range. The calculator can be used in the opposite direction to find the maximum distance or if range and distance are known a line can be drawn to determine the maximum speed that can be obtained. Each starship is unique in its distance to mass towing ratio.

Tractor Beam Specifications

Primary Tractor Beam Load Calculator





Size Comparison

GENERAL INFORMATION

FEDERATION VESSEL



General Information

Specific Role: The Heavy Cruiser is a well armed, general purpose, defense capable vessel. Built to replace the Enterprise class, the Excelsior maintains classic lines and similar duties in diplomacy and exploration.

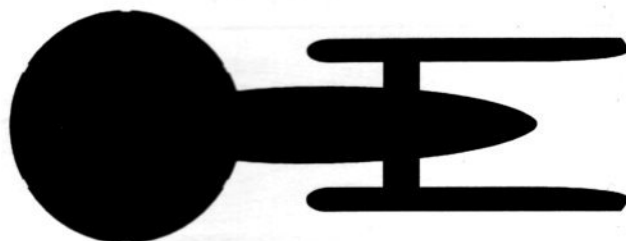
Physical Description: The (BS20/C-U8) bridge is centered on top of the (PH290/C-L5) primary hull and the (DN8/6N) navigational dome is centered underneath. five (BP2/60-2C) phaser banks are mounted radially on the top and bottom of the primary hull. An integral (DU/190-48F) connecting dorsal mates the primary hull to the (SH258/C-L4) secondary hull. two (PB2/50-20G) photon torpedo bays are located for and aft and two (BP2/60-2C) phaser banks are located above and below the hangar bay. two banks of (BP1/30-1C) phasers are mounted underneath as well. Just below the forward photon bay is the (DN10/A18) main navigation deflector. Just above the rear photon bay is a large cargo bay. A large hangar bay is located underneath the secondary hull. The (M80/24-4E) intermix chamber runs vertically from the deflection crystal down to the secondary hull where an ejection plate allows the core to be jettisoned downward in an emergency. The matter/antimatter storage tanks are positioned for emergency jettisoning in front of the main deflector. A (IRF70E/8-IR) dual impulse unit located on the rear of the primary hull provides sub-light propulsion. For warp propulsion two (SW104/2-10RT) nacelles are supported by (DU/75-15F) support pylons mounted towards the rear of the secondary hull. In the event of an emergency the primary and secondary hulls can separate; each being able to carry the ships full complement. Once separated the primary hull can maneuver on impulse power for extended periods of time.

Class Emblem



Ship Silhouettes

Total Target Area 84351.47 m²



Top Silhouette
Area 44849.64 m²



Port Silhouette
Area 13817.43 m²



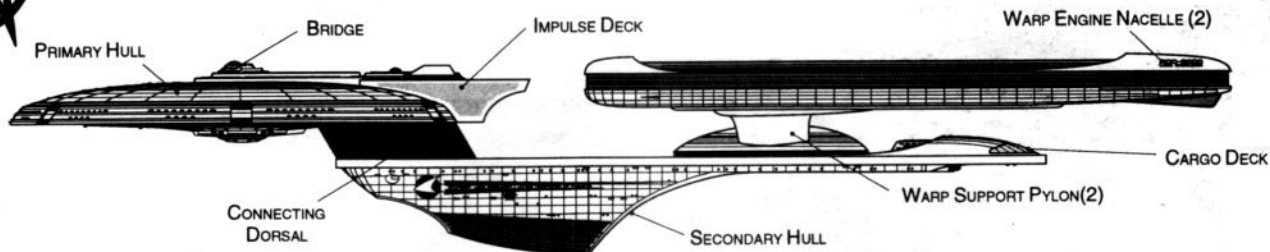
Front Silhouette
Area 5684.40 m²



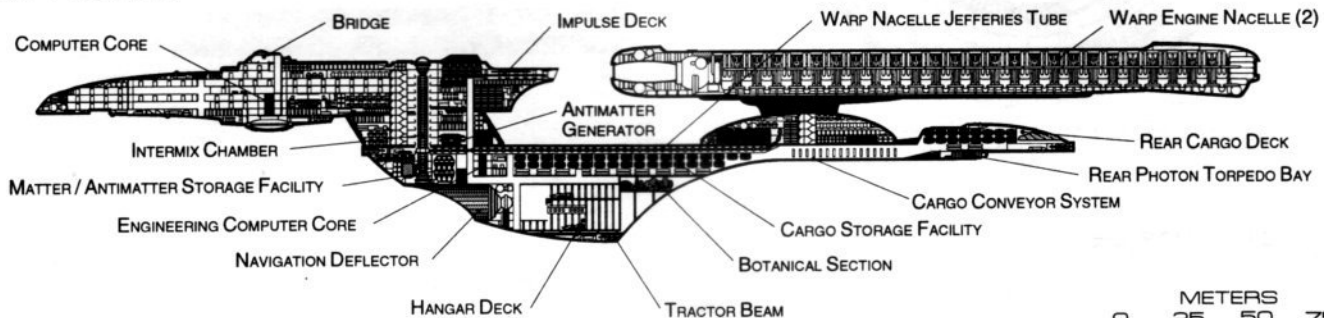
SPACE CONTROL SHIP

EXCELSIOR CLASS

FEDERATION VESSEL



PORT PROFILE



METERS
0 25 50 75
SCALE 1:3000

CROSS SECTION

Statistics

Classification: Heavy Cruiser

Category: Cruiser

Class: Excelsior

Type: Class 1

Model: MK-IXa

Naval Construction Contract: 2000/1700B

Number Proposed: 97

Number Constructed: 78

Number in Service: 74

Number Lost: 4

Dimensions:

Overall Dimensions (Meters)

Length: 467.05 m

Width: 177.21 m

Height: 74.93 m

Primary Hull Dimensions (Meters)

Length: 198.51 m

Width: 177.21 m

Height: 30.71 m

Secondary Hull Dimensions (Meters)

Length: 271.79 m

Width: 58.76 m

Height: 43.93 m

Warp Unit Dimensions (Meters)

Length: 247.08 m

Width: 17.70 m

Height: 20.33 m

Displacement (Metric Tons)

Light: 368761 mt

Standard: 395086 mt

Full Load: 441042 mt

Performance:

Impulse Units: Dual Unit (IRF70E/8-IR)

Impulse Engine Output: 1.64E+14 W

Impulse Power Index: 1.00

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.181 sec.

0.25-0.50 Impulse: 0.286 sec.

0.50-0.75 Impulse: 0.381 sec.

0.75-Full Impulse: 0.477 sec.

Warp Units: 2 Nacelle Units (SW104/2-10RT)

Warp Engine Output: 1.04E+16 W

Warp Power Index: 1.00

Optimum Speed: 5

Max. Safe Cruising: 7

Emergency Speed: 8.5

Max. Speed: 9.25

Destructive Speed: 9.5

Acceleration Power: 3

Acceleration Times:

Warp 1 - Warp 2: 0.201 sec.

Warp 2 - Warp 3: 0.322 sec.

Warp 3 - Warp 4: 1.217 sec.

Warp 4 - Warp 5: 1.749 sec.

Warp 5 - Warp 6: 1.870 sec.

Warp 6 - Warp 7: 2.021 sec.

Warp 7 - Warp 8: 2.594 sec.

Warp 8 - Warp 9: 3.710 sec.

Warp 9 - Warp 9.5: 8.245 sec.

Warp 9.5 - Warp 9.75: 9.552 sec.

Warp 9.75 - Warp 9.9: 19.807

Duration (Years)

Standard: 6 Years

Maximum: 24 Years

Std. Ships Complement: 821

Officers: 131

Crew (Ensign Grade): 638

Troops: 52

Passengers: 99

Emergency condition: + 1103

Medical Facilities:

Doctors: 9

Nurses: 20

Operating Rooms: 7

Beds: 47

Laboratories:

12

Transporters Total:

1 Person: 0

2 Person: 0

6 Person: 8

12 Person: 0

22 Person: 8

Small Cargo: 4

Medium Cargo: 4

Large Cargo: 0

Super Cargo: 0

Brigs: 24

Replicators: 30

Tractor Beams:

Tow Capacity: 7.60E+06 mt

Max Range: 1.77E+05 km

Cargo Specification:

Standard Cargo Units: 900

Cargo Capacity: 45000 mt

Shuttlecraft Specifications:

Docking Ports: 2

Shuttlecraft Bays Total: 1

Small Bay: 0

Medium Bay: 1

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 35

Work Bees: 2

Travel Pods: 2

Aquatic Shuttle: 1

Light Shuttle: 1

Standard Shuttle: 8

Heavy Shuttle: 1

Cargo Shuttle: 1

Assault Shuttle: 5

Killer Bees: 3

Light Fighter: 4

Fighter: 4

Heavy Fighter: 3

Lifeboats: 88

Turbolift (8 person): 49

Lifeboat (10 person): 27

Lifeboat (20 person): 11

Lifeboat (30 person): 1

Cloaking Devices:

0

Sensor Index Values:

Planetary Survey: 1.0000

Stellar Survey: 1.0000

Short Range: 1.0000

Long Range: 1.0000

Navigation: 1.0000

Special: 1.0000

Computers:

2

Type: Daystrom Duotronic IV:q

Type: Daystrom Duotronic III:q

ECM Index: 1.00

Shield Rating:

Shield Index: 1.00

Holdoff Power: 1.13E+12 W

Refresh Rate: 3.20E+11 W

Breakdown Rate: 3.84E+11 W

Shield Dimensions (Meters)

Length: 700.58 m

Width: 265.82 m

Height: 112.40 m

Weapons:

Phaser Power Index: 1.000

Photon Power Index: 1.000

Vessel Power Index: 1.000

Weapon Placement:

Beam (Phasers) Total: 16 banks 2 each

Output: 7.50E+11 W / 3.7E11 W

Range: 4.10E+05 km

Rate of Fire: 40 ppm / Cont.

Forward Banks: 4

Rear Banks: 2

Port Banks: 4

Starboard Banks: 4

Upper Banks: 0

Lower Banks: 2

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: 4 Bays

Stock: 120

Range: 2.90E+05 km

Output: 10-55 Megatons

Rate of Fire: 15 spm

Forward Bay: 2

Rear Bay: 2

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

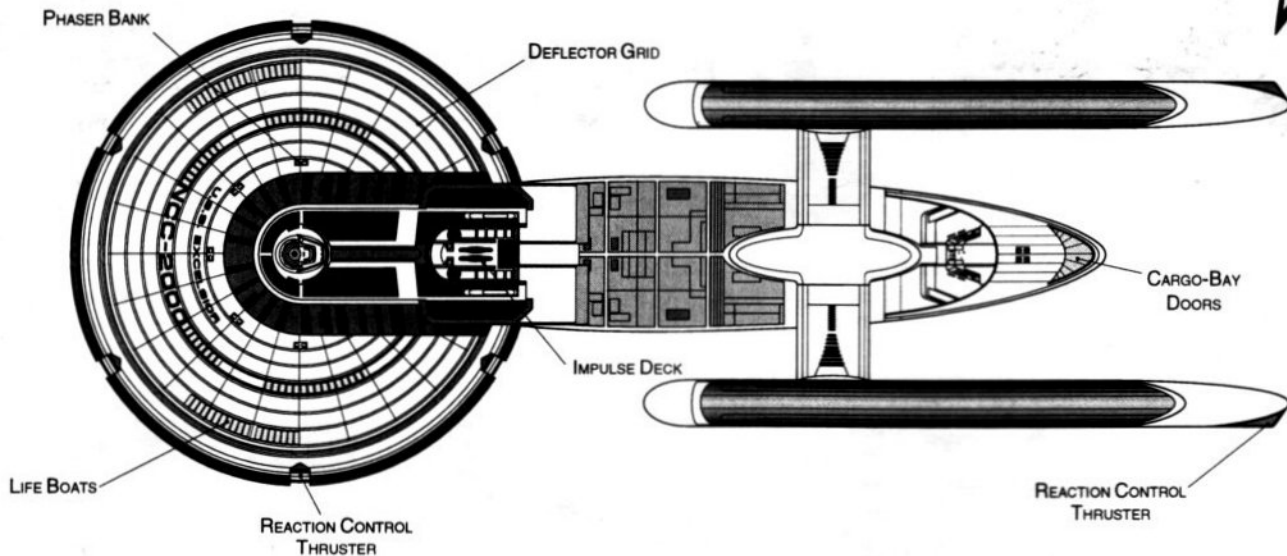
Lower Bay: 0

SPACE CONTROL SHIP

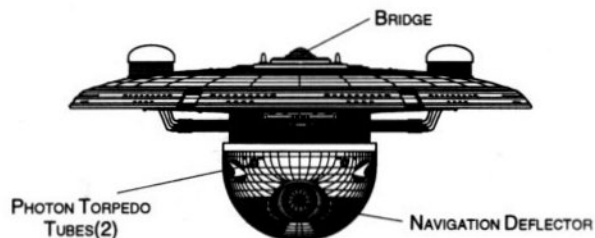


EXCELSIOR CLASS

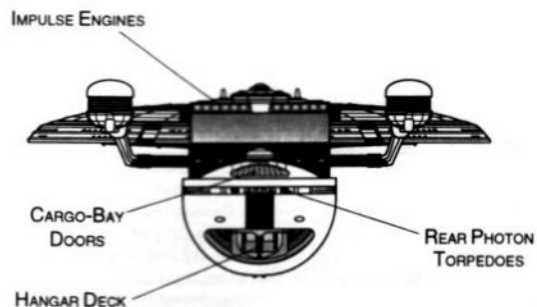
FEDERATION VESSEL



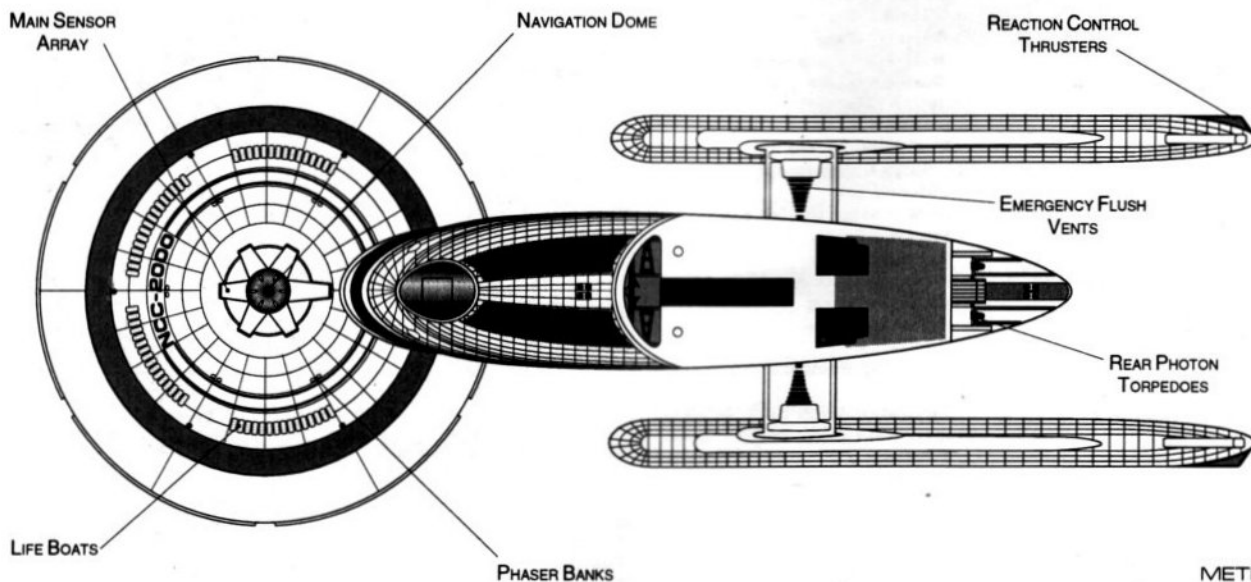
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

METERS
0 25 50 75
SCALE 1:3000



SPACE CONTROL SHIP

Ship Names

THE FOLLOWING SHIPS OF THE MK-IX^a CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2285.2

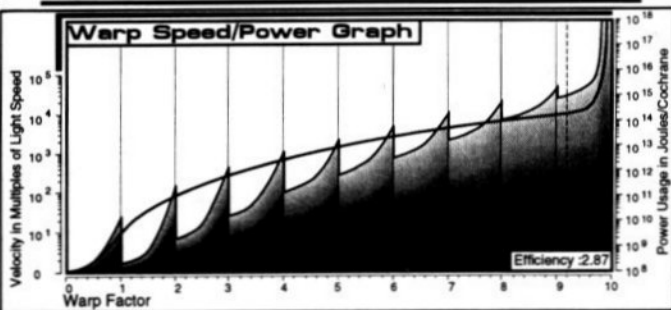
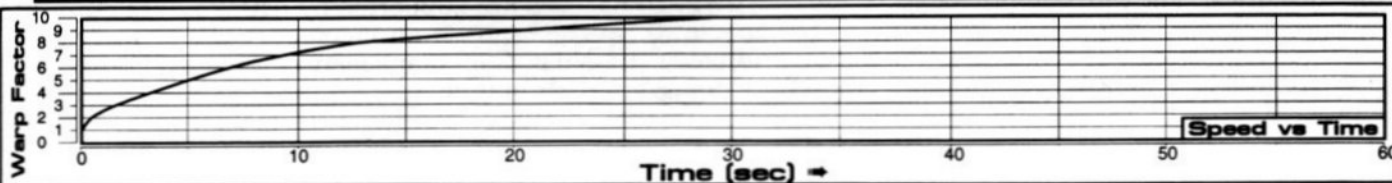
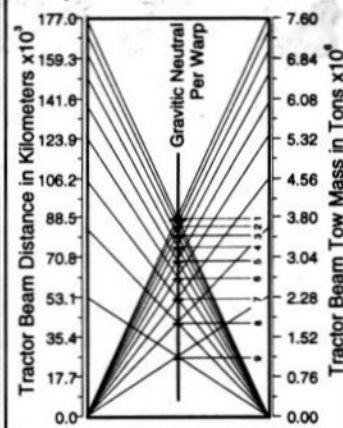
ACHERNAR • NCC-1732B+	EXETER • NCC-1706B	MENGEN • NCC-1773B***+	SARIADAGOSA • NCC-1724B+
ALFERAZ • NCC-1781B***+	FARRAGATE • NCC-1702B	MERRIMAC • NCC-1715B	SHAR • NCC-1745B+
ALFR • NCC-1741B+	FEARLESS • NCC-1459B	MIRAZH • NCC-1788B***+	SINUJI • NCC-1770B+
ANDROCUS • NCC-1738B+	GALINA • NCC-1764B+	MONDOLOY • NCC-1740B	SIRIUS • NCC-1744B+
ANNOBON • NCC-1752B+	GHAR • NCC-1786B***+	MONGO • NCC-1785B***+	SOL • NCC-1733B+
ARI • NCC-1723B	GHONDR • NCC-1749B+	MONITOR • NCC-1713B	SPICA • NCC-1731B+
ASTRAD • NCC-1739B+	GORKON • NCC-40512	NDELE • NCC-1758B+	TAJARHI • NCC-1783B***+
BERLIN • NCC-14232	HAIJ • NCC-1782B***+	OBLIK • NCC-1772B***+	TALI • NCC-1751B+
BONHOMME RICHARD • NCC-1712B**	HOOD • NCC-4229B	OOMARU • NCC-1761B***+	TEMIR • NCC-1763B+
CAIRO • NCC-42136	HORNET • NCC-1714B	PAEGAN • NCC-1755B+	THELONII • NCC-1742B+
CASPAN • NCC-1753B+	HOROK • NCC-1748B+	PARI • NCC-1787B***+	THOLUS • NCC-1747B+
CHARLSTON • NCC-42285	INTREPID • NCC-38907	PELIONE • NCC-1750B+	TORI • NCC-1725B
CONSTELLATION • NCC-1728B	JASSAN • NCC-1754B+	PHARDOS • NCC-1757B+	TULAN • NCC-1777B***+
CONSTITUTION • NCC-1700B	JUPITER • NCC-1734B+	PILAR • NCC-1746B+	VALIANT • NCC-1709B
DEFIANCE • NCC-1717B	KAP SALU • NCC-1767B+	POTEMPKIN • NCC-8253	VEGA • NCC-1730B+
EAGLE • NCC-1719B	KARS • NCC-1769B+	PROCYON • NCC-1756B+	WASP • NCC-1721B
EKINUS • NCC-1771B***+	KASIMAR • NCC-1784B***+	PROXIMA • NCC-1737B+	XANTHII • NCC-1743B+
EL DORADO • NCC-1722B	KESTRAL • NCC-1766B+	QUAL'AT • NCC-1776B***+	YAAN • NCC-1762B+
ENDEAVOR • NCC-1716B+	KETOI • NCC-1768B+	QUINDAR • NCC-1736B+	YORKTOWN • NCC-1704B
ENTERPRISE • NCC-1701B+	KONGO • NCC-1710B	QUIZAN • NCC-1775B***+	ZAAHM • NCC-1780B***+
ESABL • NCC-1779B***+	KRIEGER • NCC-1726B	REPULSE • NCC-1729B***+	ZA-FARAN • NCC-1760B+
ESKIIS • NCC-1789B***+	LAFAYETTE • NCC-1720B+	REGIL CENTAURIUS • NCC-1735B+	ZINDAR • NCC-1759B+
ESSEX • NCC-1727B	LEXINGTON • NCC-1703B	SALAYNA • NCC-1774B***+	
EXCALIBUR • NCC-1705B	MAZDA • NCC-1778B***+	SAMAARA • NCC-1765B+	
EXCELSIOR • NCC-2000*	MELBOURNE • NCC-82043**		

+ Upgrade Version

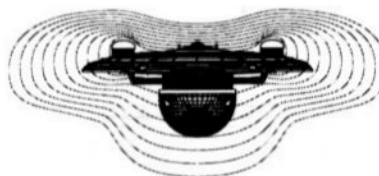
*CLASS SHIP. "LOST IN THE LINE OF DUTY." **PROPOSED. ALL NAMES PRECEDED WITH U.S.S.

Tractor Beam Specifications

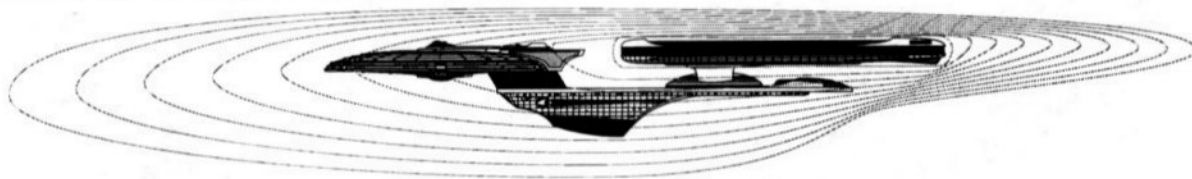
Primary Tractor Beam Load Calculator



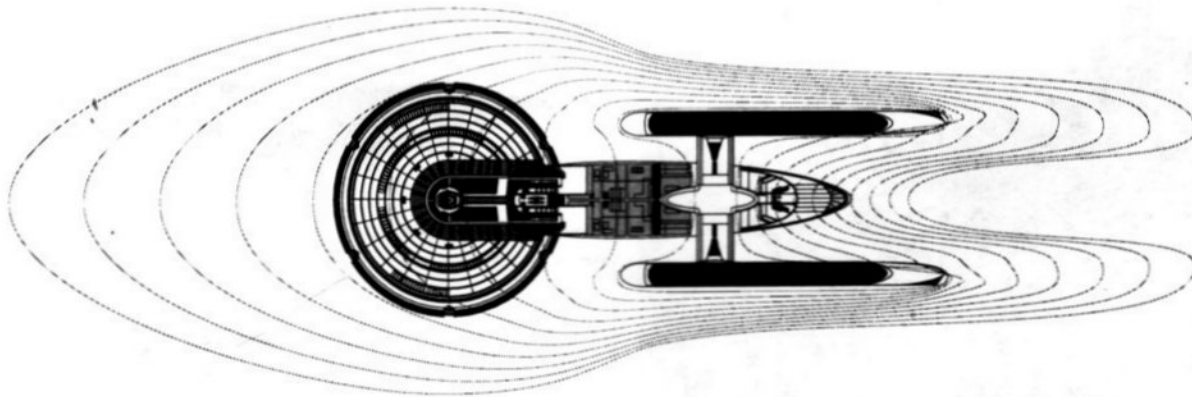
Field Length 895.77m
Field Width 285.82m
Field Height 127.05m



Front Warp Field Profile
Cross Section Area 25312.74 m²



Port Warp Field Profile
Cross Section Area 80527.75 m²



Top Warp Field Profile
Cross Section Area 172603.98 m²

WARP FIELDS

SPACE CONTROL SHIP



General Information

Specific Role: The Heavy Cruiser is a well armed, general purpose, defense capable vessel. Built to replace the Enterprise class, the Excelsior class maintains classic lines and similar duties in diplomacy and exploration. Hull reinforcements on either side of the navigation deflector were added after a few prototypes experienced heavy damage in relatively light battles.

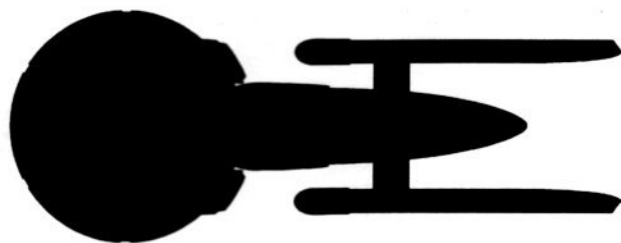
Physical Description: The (BS20/C-U8) bridge is centered on top of the (PH290/C-L5U) primary hull and the (DN8/6N) navigational dome is centered underneath. five (BP2/60-2C) phaser banks are mounted radially on the top and bottom of the primary hull. An integral (DU/190-48F) connecting dorsal mates the primary hull to the (SH258/C-L4U) secondary hull. two (PB2/50-20G) photon torpedo bays are located for and aft and two (BP2/60-2C) phaser banks are located above and below the hangar bay. two banks of (BP1/30-1C) phasers are mounted underneath as well. Just below the forward photon bay is the (DN10/A18U) main navigation deflector. Just above the rear photon bay is a large cargo bay. A large hangar bay is located underneath the secondary hull. The (M80/24-4E) intermix chamber runs vertically from the deflection crystal down to the secondary hull where an ejection plate allows the core to be jettisoned downward in an emergency. The matter/antimatter storage tanks are positioned for emergency jettisoning in front of the main deflector. A (IRF70E/8-IR) dual impulse drive is located on the rear of the primary hull to provide sub-light propulsion. two additional hangar bays are located to either side of the impulse drive. For warp propulsion two (SW104/2-12RU) nacelles are supported by (DU/75-15F) support pylons mounted towards the rear of the secondary hull. In the event of an emergency the primary and secondary hulls can separate; each being able to carry the ships full complement. Once separated the primary hull can maneuver on impulse power for extended periods of time.

Class Emblem



Ship Silhouettes

Total Target Area 66299.56 m²



Top Silhouette

Area 46124.27 m²



Port Silhouette

Area 14316.74 m²



Front Silhouette

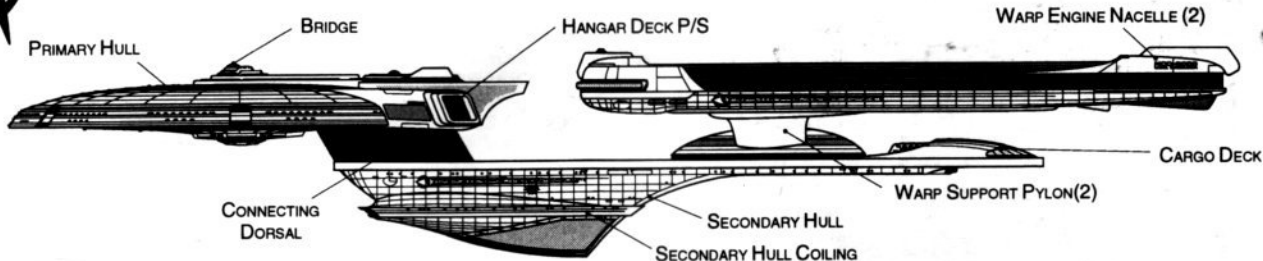
Area 5858.55 m²



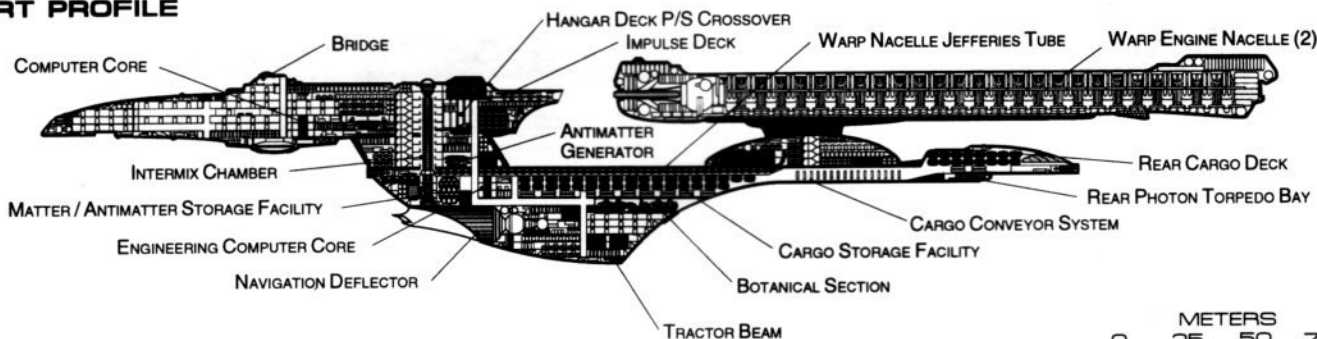
SPACE CONTROL SHIP

EXCELSIOR CLASS UPGRADE

FEDERATION VESSEL



PORT PROFILE



METERS
0 25 50 75
SCALE 1:3000

CROSS SECTION

Statistics

Classification: Heavy Cruiser

Category: Cruiser

Class: Excelsior

Type: Class 1

Model: MK-IXal

Naval Construction Contract: 2000/1700B

Number Proposed: 97

Number Constructed: 78

Number in Service: 74

Number Lost: 4

Dimensions:

Overall Dimensions (Meters)

Length: 470.68 m

Width: 177.21 m

Height: 78.86 m

Primary Hull Dimensions (Meters)

Length: 198.51 m

Width: 177.21 m

Height: 30.71 m

Secondary Hull Dimensions (Meters)

Length: 271.79 m

Width: 66.60 m

Height: 43.93 m

Warp Unit Dimensions (Meters)

Length: 253.29 m

Width: 19.89 m

Height: 24.32 m

Displacement (Metric Tons)

Light: 378083 mt

Standard: 405073 mt

Full Load: 452191 mt

Performance: mt

Impulse Units: Dual Unit (IRF70E/B-IR)

Impulse Engine Output: 1.68E+14 W

Impulse Power Index: 1.11

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.182 sec.

0.25-0.50 Impulse: 0.286 sec.

0.50-0.75 Impulse: 0.382 sec.

0.75-Full Impulse: 0.477 sec.

Warp Units: 2 Nacelle Units (SW104/2-12RU)

Warp Engine Output: 1.18E+16 W

Warp Power Index: 1.11

Optimum Speed: 5

Max. Safe Cruising: 7

Emergency Speed: 8.6

Max. Speed: 9.35

Destructive Speed: 9.6

Acceleration Power: 3

Acceleration Times:

Warp 1 - Warp 2: 0.181 sec.

Warp 2 - Warp 3: 0.290 sec.

Warp 3 - Warp 4: 1.097 sec.

Warp 4 - Warp 5: 1.577 sec.

Warp 5 - Warp 6: 1.686 sec.

Warp 6 - Warp 7: 1.822 sec.

Warp 7 - Warp 8: 2.338 sec.

Warp 8 - Warp 9: 3.344 sec.

Warp 9 - Warp 9.5: 7.431 sec.

Warp 9.5 - Warp 9.75: 8.609 sec.

Warp 9.75 - Warp 9.9: 17.853

Duration (Years)

Standard: 6 Years

Maximum: 24 Years

Std. Ships Complement: 873

Officers: 139

Crew (Ensign Grade): 679

Troops: 55

Passengers: 105

Emergency condition: + 1173

Medical Facilities:

Doctors: 9

Nurses: 20

Operating Rooms: 7

Beds: 47

Laboratories: 17

Transporters Total: 25

1 Person: 0

2 Person: 0

6 Person: 8

12 Person: 0

22 Person: 8

Small Cargo: 5

Medium Cargo: 4

Large Cargo: 0

Super Cargo: 0

Brigs: 27

Replicators: 33

Tractor Beams:

Tow Capacity: 7.83E+06 mt

Max Range: 1.82E+05 km

Cargo Specification:

Standard Cargo Units: 971

Cargo Capacity: 48550 mt

Shuttlecraft Specifications:

Docking Ports: 2

Shuttlecraft Bays Total: 2

Small Bay: 0

Medium Bay: 2

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 68

Work Bees: 4

Travel Pods: 4

Aquatic Shuttle: 2

Light Shuttle: 2

Standard Shuttle: 16

Heavy Shuttle: 2

Cargo Shuttle: 2

Assault Shuttle: 8

Killer Bees: 6

Light Fighter: 8

Fighter: 8

Heavy Fighter: 6

Lifeboats: 81

Turbolift (8 person): 43

Lifeboat (10 person): 26

Lifeboat (20 person): 11

Lifeboat (30 person): 1

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.0769

Stellar Survey: 1.0506

Short Range: 1.0506

Long Range: 1.0250

Navigation: 1.0506

Special: 1.2184

Computers: 2

Type: Daystrom Duotronic IV:0

Type: Daystrom Duotronic III:q

ECM Index: 1.03

Shield Rating:

Shield Index: 1.10

Holdoff Power: 1.24E+12 W

Refresh Rate: 3.51E+11 W

Breakdown Rate: 4.22E+11 W

Shield Dimensions (Meters)

Length: 706.02 m

Width: 265.82 m

Height: 118.29 m

Weapons:

Phaser Power Index: 1.000

Photon Power Index: 1.000

Vessel Power Index: 1.000

Weapon Placement:

Beam (Phasers) Total: 16 banks 2 each

Output: 7.50E+11 W / 3.7E11 W

Range: 4.10E+05 km

Rate of Fire: 40 ppm / Cont.

Forward Banks: 4

Rear Banks: 2

Port Banks: 4

Starboard Banks: 4

Upper Banks: 0

Lower Banks: 2

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: 4 Bays

Stock: 120

Range: 2.90E+05 km

Output: 10-55 Megatons

Rate of Fire: 15 spm

Forward Bay: 2

Rear Bay: 2

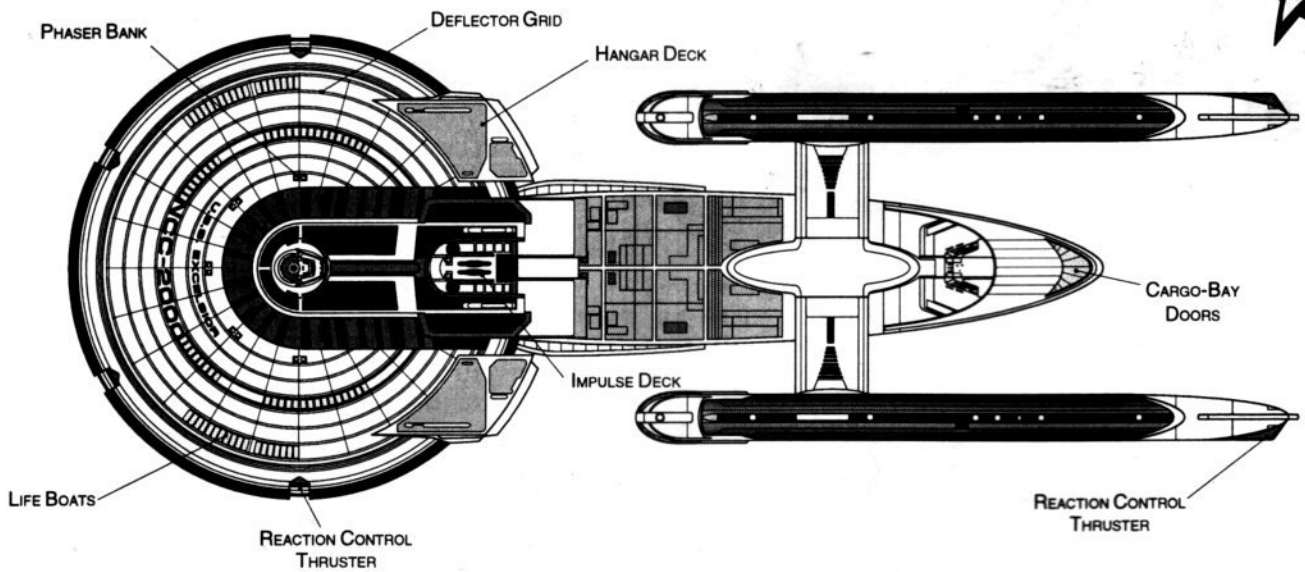
Port Bay: 0

Starboard Bay: 0

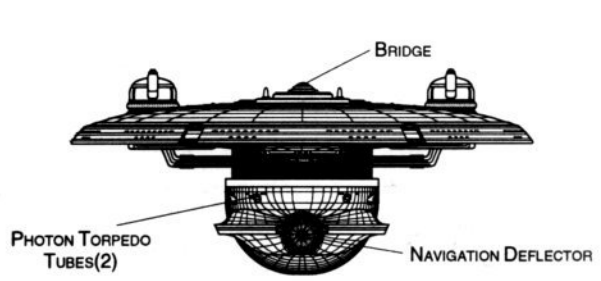
Upper Bay: 0

Lower Bay: 0

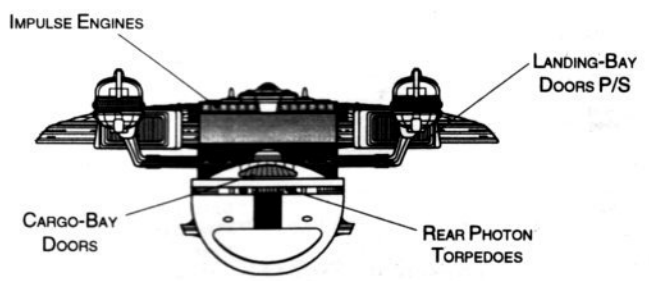
SPACE CONTROL SHIP



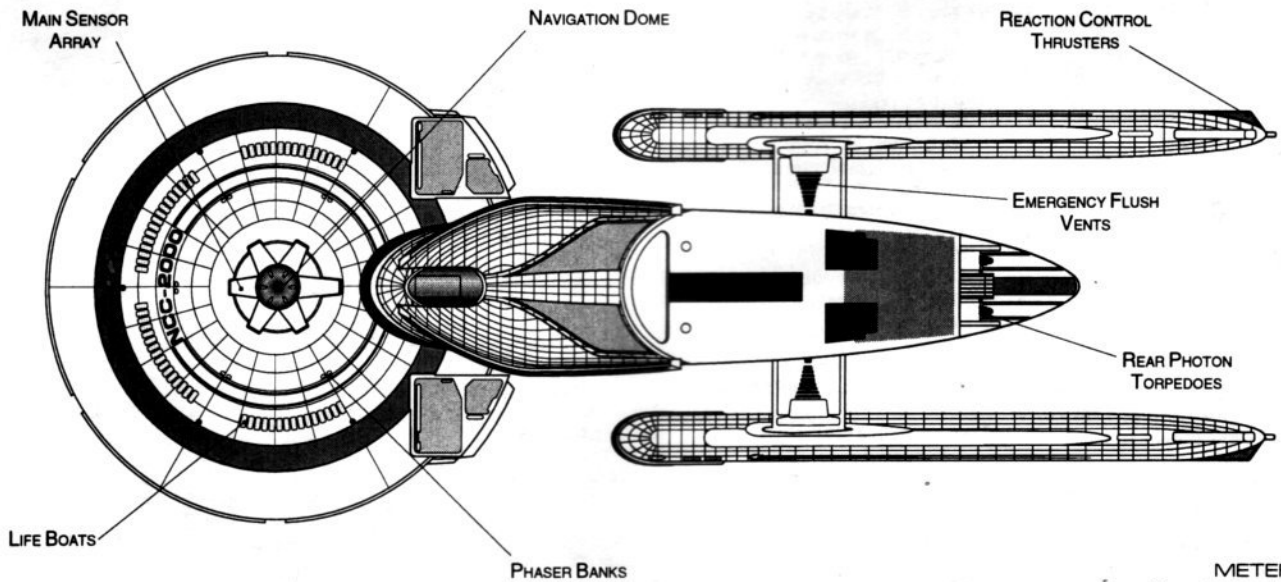
TOP PROFILE



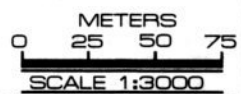
FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE





SPACE CONTROL SHIP

Ship Names

THE FOLLOWING SHIPS OF THE MK-IXa1 CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2287.9

ACHERNAR • NCC-1732B+
ALFERAZ • NCC-1781B***+
ALFR • NCC-1741B+
ANDROCUS • NCC-1738B+
ANNOBON • NCC-1752B+
ARI • NCC-1723B
ASTRAD • NCC-1739B+
BERLIN • NCC-14232
BONHOMME RICHARD • NCC-1712B+
CAIRO • NCC-42136
CASPAN • NCC-1753B+
CHARLSTON • NCC-42285
CONSTELLATION • NCC-1728B
CONSTITUTION • NCC-1700B
DEFIANCE • NCC-1717B
EAGLE • NCC-1719B
EKINUS • NCC-1771B***+
EL DORADO • NCC-1722B
ENDEAVOR • NCC-1716B+
ENTERPRISE • NCC-1701B+
ESABL • NCC-1779B***+
ESKIS • NCC-1789B***+
ESSEX • NCC-1727B
EXCALIBUR • NCC-1705B
EXCELSIOR • NCC-2000*
EXETER • NCC-1706B
FARRAGATE • NCC-1702B
FEARLESS • NCC-14598
GALINA • NCC-1764B+
GHAR • NCC-1786B***+
GHONDR • NCC-1749B+
GORKON • NCC-40512
HAJJ • NCC-1782B***+
HOOD • NCC-42296
HORNET • NCC-1714B
HOKOK • NCC-1748B+
INTREPID • NCC-38907
JASSAN • NCC-1754B+
JUPITER • NCC-1734B+
KAP SALU • NCC-1767B+
KARS • NCC-1769B+
KASIMAR • NCC-1784B***+
KESTRAL • NCC-1766B+
KETOI • NCC-1768B+
KONGO • NCC-1710B
KRIEGER • NCC-1726B
LAFAYETTE • NCC-1720B+
LEXINGTON • NCC-1703B
MAZDA • NCC-1778B***+
MELBOURNE • NCC-62043**

MENGEN • NCC-1773B***+
MERRIMAC • NCC-1715B
MIRAZH • NCC-1788B***+
MONDOLOY • NCC-1740B
MONGO • NCC-1785B***+
MONITOR • NCC-1713B
NDELE • NCC-1758B+
OBLIK • NCC-1772B***+
OAMARU • NCC-1761B+
PAEGAN • NCC-1755B+
PARI • NCC-1787B***+
PELIONE • NCC-1750B+
PHARDOS • NCC-1757B+
PILAR • NCC-1746B+
POTEMPIN • NCC-8253
PROCYON • NCC-1756B+
PROXIMA • NCC-1737B+
QUAL'AT • NCC-1776B***+
QUINDAR • NCC-1736B+
QUIZAN • NCC-1775B***+
REPUBLIC • NCC-1729B***+
REPULSE • NCC-2544
RIGIL CENTAURUS • NCC-1735B+
SALAYNA • NCC-1774B***+
SAMAARA • NCC-1765B+

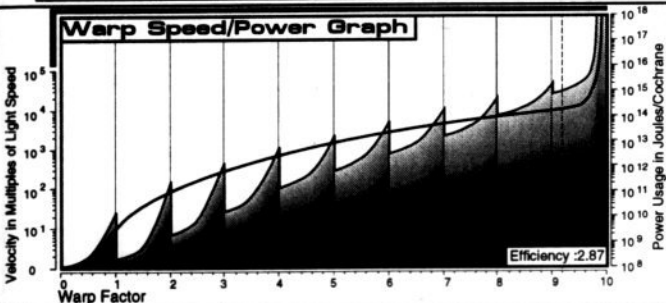
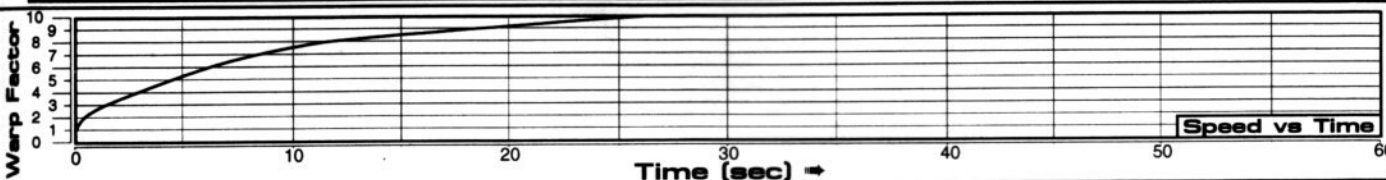
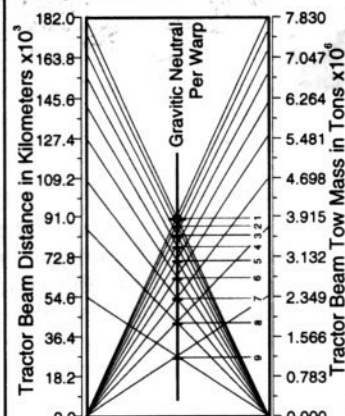
SARIADAGOSA • NCC-1724B+
SHAR • NCC-1745B+
SINUJI • NCC-1770B+
SIRIUS • NCC-1744B+
SOL • NCC-1733B+
SPICA • NCC-1731B+
TAJARHI • NCC-1783B***+
TALI • NCC-1751B+
TEMIR • NCC-1763B+
THELONII • NCC-1742B+
THOLUS • NCC-1747B+
TORI • NCC-1725B
TULAN • NCC-1777B***+
VALIANT • NCC-1709B
VEGA • NCC-1730B+
WASP • NCC-1721B
XANTHII • NCC-1743B+
YAAN • NCC-1782B+
YORKTOWN • NCC-1704B
ZAAHM • NCC-1780B***+
ZA-FARAN • NCC-1780B+
ZINDAR • NCC-1759B+

+ Upgrade Version

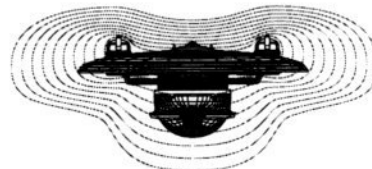
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH U.S.S.

Tractor Beam Specifications

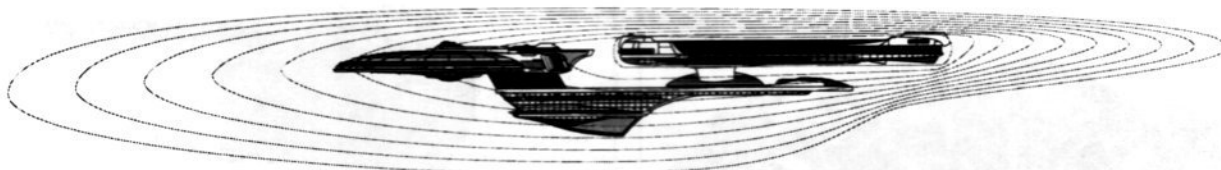
Primary Tractor Beam Load Calculator



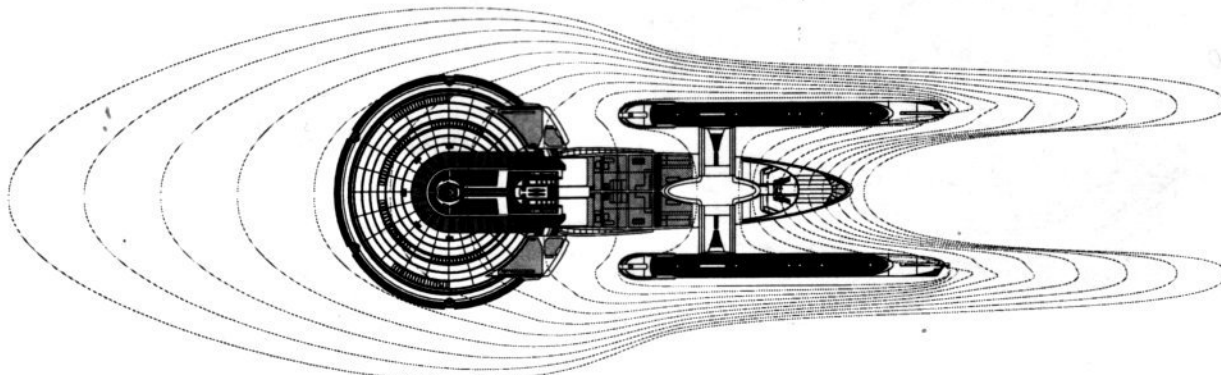
Field Length 918.39m
Field Width 276.53m
Field Height 125.04m



Front Warp Field Profile
Cross Section Area 24097.82 m²



Port Warp Field Profile
Cross Section Area 81275.38 m²



Top Warp Field Profile
Cross Section Area 161278.24 m²

WARP FIELDS

DREADNOUGHT



General Information

Specific Role: The Dreadnought's basic design makes use of many Heavy Cruiser features. The addition of a third warp nacelle gives the vessel almost Fast Destroyer acceleration and top speed while fire power has been increased through a high capacity intermix chamber. The Dreadnought's original classification as Fast Heavy Cruiser was changed due to the need for a formidable image as a diplomacy tool. The vessel is also equipped with extensive ECM equipment to help it survive.

Physical Description: The (PH147/D-M5) primary hull is equipped with additional targeting sensors, hull reinforcements and weapons. Integrated into the standard deflector grid are additional electronic counter-measures to make the vessel more stealthy. The primary hull is equipped with the (BS12/C-D3B) tactical battle bridge which contains larger weapons, tracking and communication stations. On the lower part of the primary hull is the (SM49/7J) main sensor array and (DN4/9-L) navigational dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. To the rear of the secondary hull are two (BP2/30-2C) phaser banks. On the underside of the secondary hull are two additional (BP2/30-2C) phaser banks. Nestled between the dorsal and the secondary hull is a forward facing (PB2/25-10D) photon torpedo bay. To the rear of the primary hull are (IP186E/5-JH) dual impulse units which are used for auxiliary power and sub-light propulsion. The vessel is also equipped with additional inertial dampeners to compensate for its increased maneuvering capabilities. The vessel's warp fields are generated by three (SW52/1-5TD) warp nacelles. The outboard nacelles are attached to the secondary hull by (DU/47-7F) support pylons while the third nacelle is attached to the primary hull by a (DU/30-5F) dorsal support pylon. Below the primary hull is the (SH121/C-H3) secondary hull joined by a (DU/50-48F) connecting dorsal. In the bow of the secondary hull is a (DN2/S-2) navigational deflector, and at the rear of the primary hull is a (DN2/C-2M) modified navigational deflector; both of which are used in conjunction with the navigational shields to deflect objects out of the path of the ship and move them into the path of pursuing vessels. At the front of the secondary hull is a medium hangar deck. Running through the connecting dorsal is the (M20/10-1C) high capacity intermix chamber, and inside the secondary hull are (AM8/42-5S) matter/antimatter storage tanks. For emergency jettisoning the storage tanks are installed immediately aft of the photon torpedo launcher. In the event of an emergency the primary and secondary hulls can separate; each being able to carry the ships full complement. Once separated the primary hull can maneuver on impulse power for extended periods of time, or, if the third nacelle is still attached, warp 2 on auxiliary power.

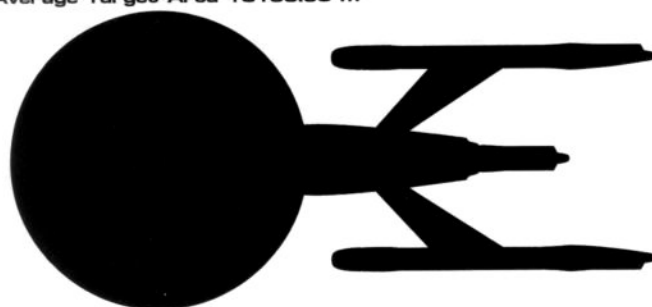
For additional detail refer to Datasheet MV-11

Class Emblem



Ship Silhouettes

Total Target Area 39599.71 m²
Average Target Area 13199.90 m²



Top Silhouette
Area 23171.33 m²



Port Silhouette
Area 11230.49 m²

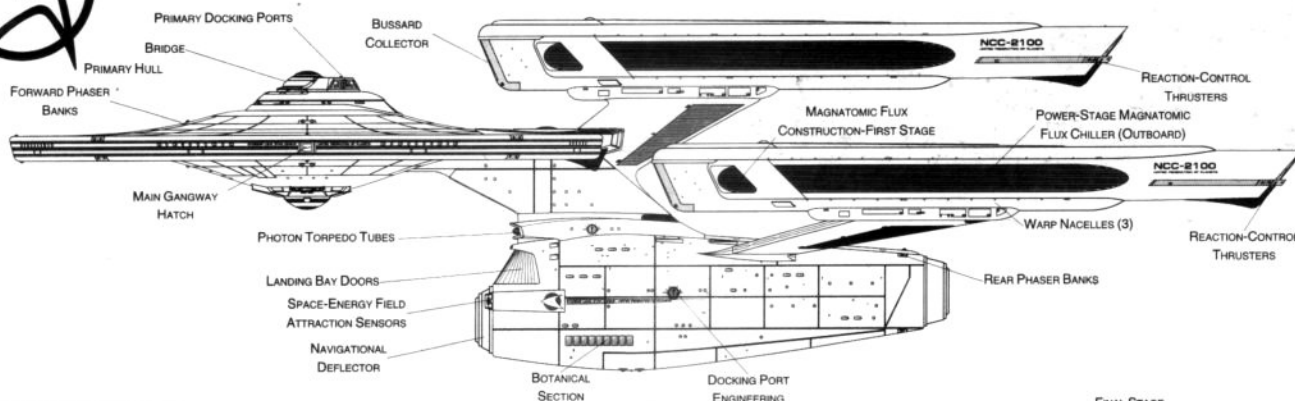


Front Silhouette
Area 5197.89 m²

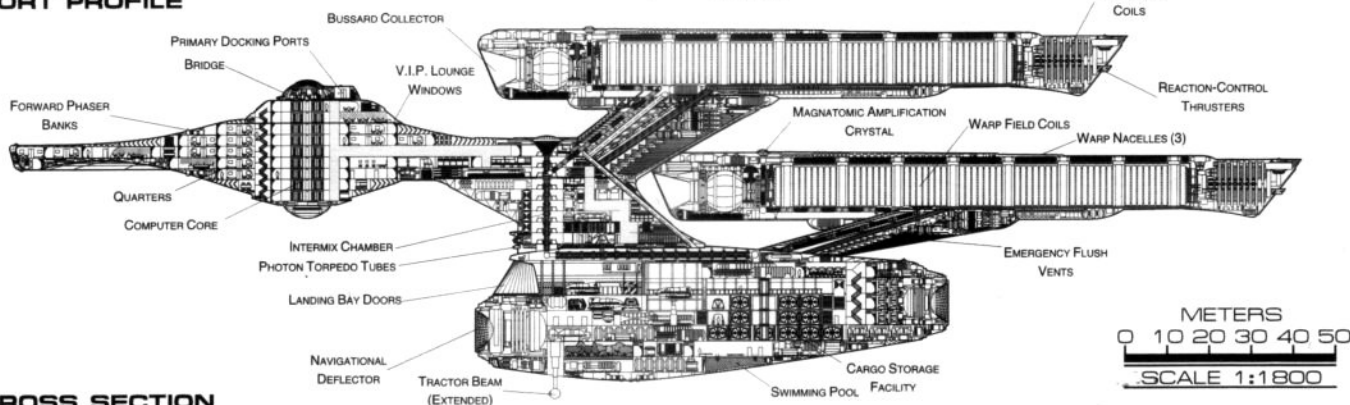


DREADNOUGHT

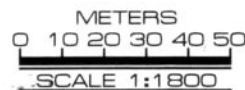
STAR LEAGUE CLASS



PORT PROFILE



CROSS SECTION



Statistics

Classification: Dreadnought

Category: Cruiser

Class: Star League

Type: Class 1

Model: MK-Xa

Naval Construction Contract: 2100

Number Proposed: 50

Number Constructed: 20

Number in Service: 19

Number Lost: 1

Dimensions:

Overall Dimensions (Meters)

Length: 307.7 m

Width: 141.72 m

Height: 84.11 m

Primary Hull Dimensions (Meters)

Length: 146.31 m

Width: 141.72 m

Height: 32.94 m

Secondary Hull Dimensions (Meters)

Length: 112.62 m

Width: 33.17 m

Height: 32.18 m

Warp Unit Dimensions (Meters)

Length: 154.81 m

Width: 12.63 m

Height: 18.32 m

Displacement (Metric Tons)

Light: 207595 mt

Standard: 222415 mt

Full Load: 248286 mt

Performance:

Impulse Units: Dual Unit (IRF35E/5-JH)

Impulse Engine Output: 7.8×10^{13} W

Impulse Power Index: 0.89

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.225 sec.

0.25-0.50 Impulse: 0.338 sec.

0.50-0.75 Impulse: 0.45 sec.

0.75-Full Impulse: 0.563 sec.

Warp Units: 2 Nacelle Units (SW52/1-5TD)

Warp Engine Output: 1.8×10^{15} W

Warp Power Index: 1.33

Optimum Speed: 5

Max. Safe Cruising: 7

Emergency Speed: 8.5

Max. Speed: 9.25

Destructive Speed: 9.35

Acceleration Power: 3

Acceleration Times:

Warp 1 - Warp 2: 0.15 sec.

Warp 2 - Warp 3: 0.24 sec.

Warp 3 - Warp 4: 0.908 sec.

Warp 4 - Warp 5: 1.306 sec.

Warp 5 - Warp 6: 1.396 sec.

Warp 6 - Warp 7: 1.509 sec.

Warp 7 - Warp 8: 1.937 sec.

Warp 8 - Warp 9: 2.77 sec.

Warp 9 - Warp 9.5: 6.155 sec.

Warp 9.5 - Warp 9.75: 7.131 sec.

Warp 9.75 - Warp 9.9: 14.787 sec.

Duration (Years)

Standard: 4 Years

Maximum: 16 Years

Std. Ships Complement: 466

Officers: 75

Crew (Ensign Grade): 365

Troops: 26

Passengers: 50

Emergency condition: + 623

Medical Facilities:

Doctors: 4

Medical Staff: 9

Operating Rooms: 3

Beds: 21

Laboratories: 16

Transporters Total: 15

1 Person: 0

2 Person: 0

6 Person: 4

12 Person: 0

22 Person: 4

Small Cargo: 3

Medium Cargo: 3

Large Cargo: 0

Super Cargo: 0

Brigs: 26

Replicators: 28

Tractor Beams: 1

Tow Capacity: 6.71×10^6 mt

Max Range: 1.13×10^5 km

Cargo Specification:

Standard Cargo Units: 503

Cargo Capacity: 25150 mt

Shuttlecraft Specifications:

Docking Ports: 5

Shuttlecraft Bays Total: 2

Small Bay: 0

Medium Bay: 2

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 59

Work Bees: 5

Travel Pods: 5

Aquatic Shuttle: 2

Light Shuttle: 2

Standard Shuttle: 2

Heavy Shuttle: 2

Cargo Shuttle: 2

Assault Shuttle: 5

Killer Bees: 7

Light Fighter: 10

Fighter: 10

Heavy Fighter: 7

Lifeboats: 49

Turbolift (8 person): 28

Lifeboat (10 person): 15

Lifeboat (20 person): 6

Lifeboat (30 person): 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.60

Stellar Survey: 1.32

Short Range: 1.46

Long Range: 1.20

Navigation: 1.22

Special: 2.64

Computers: 2

Type: Daystrom Duotronic 1-III:l

Type: Daystrom Duotronic 1-II:a

ECM Index: 1.21

Shield Rating:

Shield Index: 0.27

Holdoff Power: 9.84×10^{11} W

Refresh Rate: 2.8×10^{11} W

Breakdown Rate: 3.35×10^{11} W

Shield Dimensions (Meters)

Length: 461.6 m

Width: 212.6 m

Height: 126.2 m

Weapons:

Phaser Power Index: 1.18

Photon Power Index: 0.89

Vessel Power Index: 1.04

Weapon Placement:

Beam (Phasers) Total: 12 banks 2 each

Output: 5×10^{11} W 2.5×10^{11} W

Range: 2.5×10^5 km

Rate of Fire: 30 ppm/Cont.

Forward Banks: 2

Rear Banks: 2

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 4

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: 2 Bays

Stock: 25

Range: 2×10^5 km

Output: 10-50 MT

Rate of Fire: 10 spm

Forward Bay: 1

Rear Bay: 0

Port Bay: 0

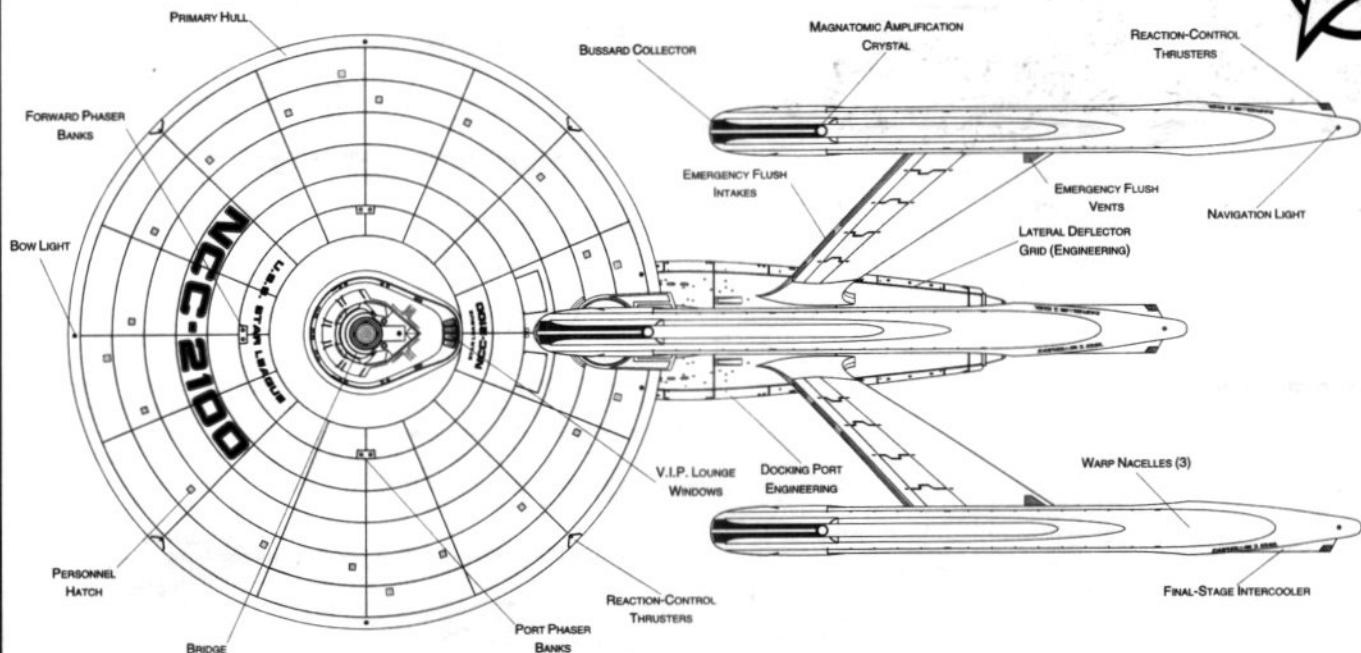
Starboard Bay: 0

Upper Bay: 0

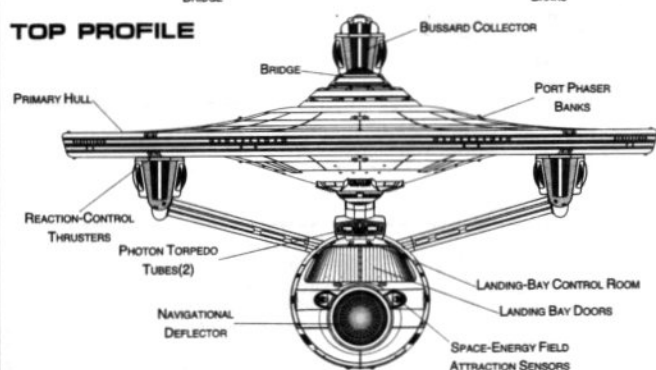
Lower Bay: 0

FEDERATION VESSEL

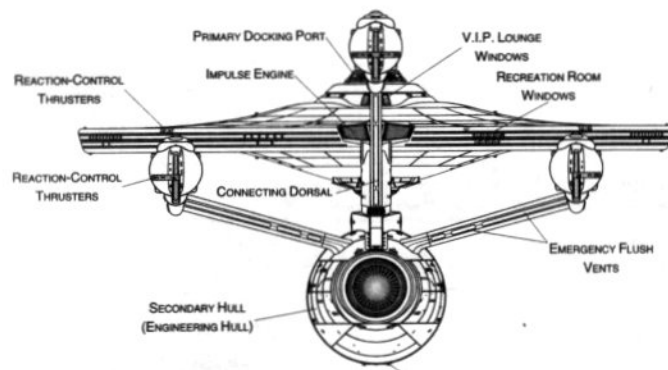
DREADNOUGHT



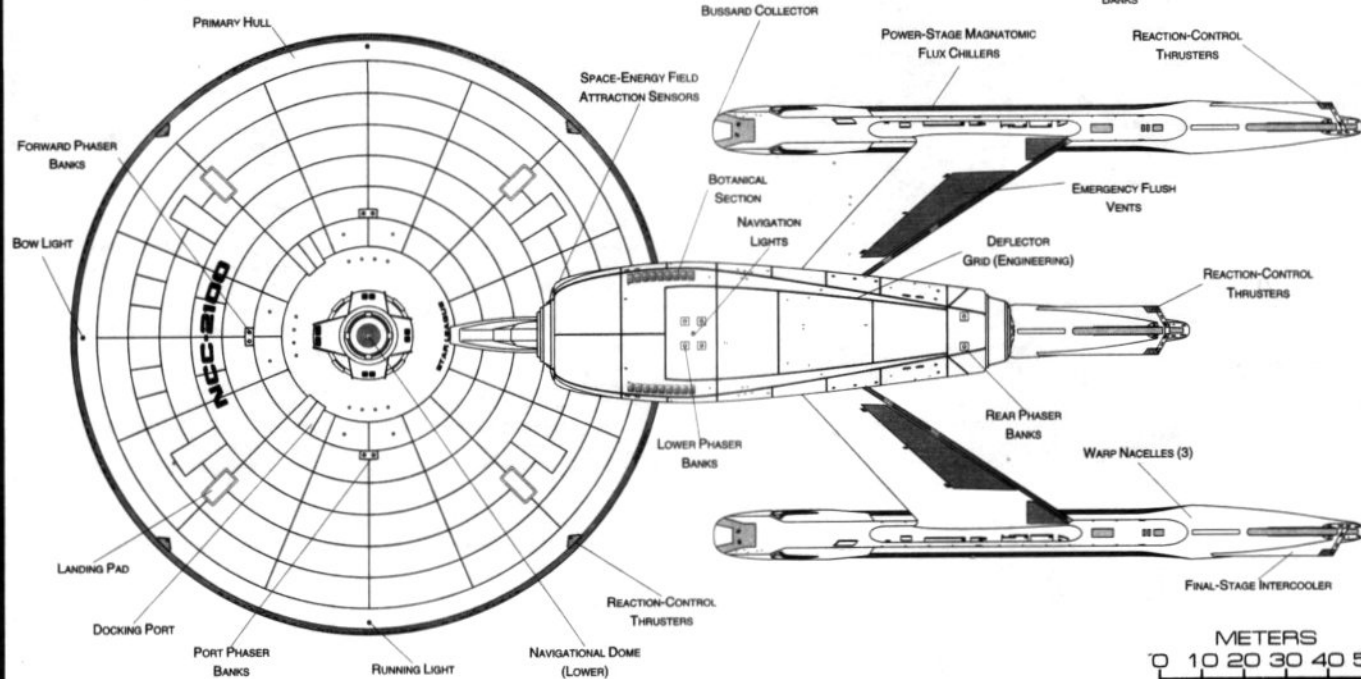
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40 50
SCALE 1:1800



DREADNOUGHT

Ship Names

THE FOLLOWING SHIPS OF THE MK-Xa CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2268.11

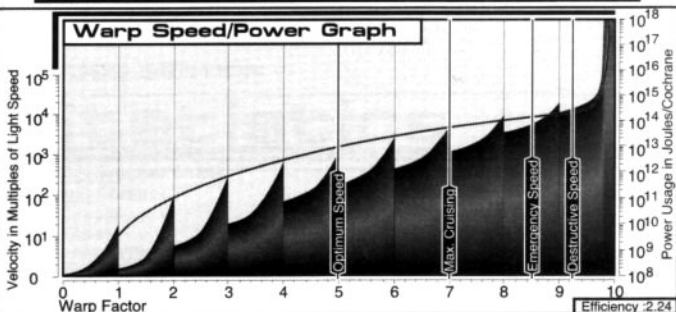
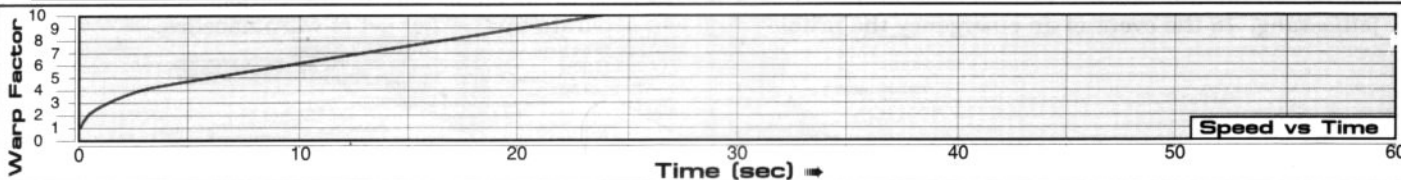
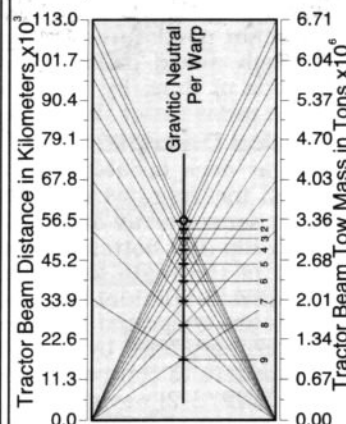
AFFILIATION • NCC-2108	KINSHIP • NCC-2132***
AFFINITY • NCC-2124***	KONKORDIUM • NCC-2106
ALLIANCE • NCC-2113	NICHTER • NCC-2102
ALLMAN • NCC-2146***	ORGANIZATION • NCC-2111**
ARCHANGELESE • NCC-2105	PACT • NCC-2121***
ARRANGEMENT • NCC-2138***	PARTICIPATION • NCC-2125***
ASSOCIATION • NCC-2118	PRATICO • NCC-2149***
COALITION • NCC-2127***	PROVINCE • NCC-2137***
COMPACTAT • NCC-2103	REALM • NCC-2130***
CONCORDAT • NCC-2109	REGION • NCC-2144***
CONCURRENCE • NCC-2142***	ROADMAN • NCC-2147***
CONFEDERATION • NCC-2143***	SECTOR • NCC-2131***
CONSORTIUM • NCC-2119	SNITGER • NCC-2114
CORPORATION • NCC-2104	STAR EMPIRE • NCC-2116
DIRECTORATE • NCC-2110	STAR LEAGUE • NCC-2101*
DISTRICT • NCC-2145***	STAR SYSTEM • NCC-2107
DOMAIN • NCC-2129***	STAR UNION • NCC-2112
DOMINION • NCC-2115	SYSTEM • NCC-2139***
ENTENTE • NCC-2120***	TERRITORY • NCC-2122***
FEDERATION • NCC-2100	TRUSTEE SHIP • NCC-2117
FORMALITY • NCC-2123***	UNIFICATION • NCC-2140***
FOUNDATION • NCC-2136***	UNION • NCC-2126***
GATLIN • NCC-2148***	UNITY • NCC-2133***
IMPLICATION • NCC-2128***	WARD • NCC-2134***
INSTITUTION • NCC-2135***	

WIDGREN • NCC-2141***

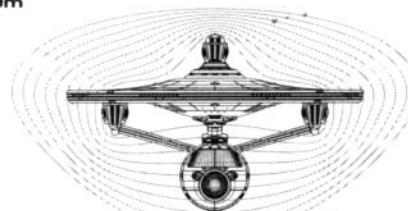
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

Tractor Beam Specifications

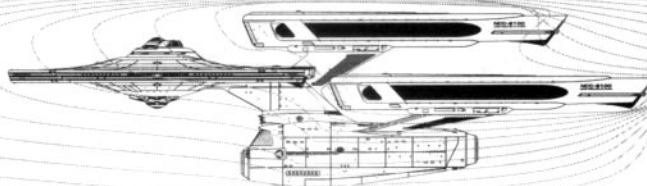
Primary Tractor Beam Load Calculator



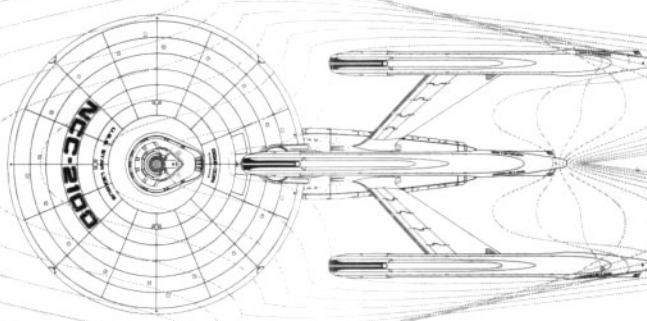
Field Length 584.84m
Field Width 193.35m
Field Height 108.59m



Front Warp Field Profile
Cross Section Area 20995.13 m²



Port Warp Field Profile
Cross Section Area 46690.97 m²



Top Warp Field Profile
Cross Section Area 78686.30 m²

HEAVY CRUISER

General Information



Specific Role: The Heavy Cruiser is the most versatile and widely recognized starship in the Federation. Equipped with both extensive laboratories and weapon systems, the vessel can easily conduct both research and military operations. The cruiser is often used as a research platform in areas that are too dangerous for dedicated research vessels. The Heavy Cruiser has proven to be the most successful starship design in Starfleet's inventory, exhibiting an ideal blend of speed, power and performance. Very often, due to the versatility of the vessel, it is called upon for diplomatic duties.

Physical Description: The (PH147/C-C3) primary hull is equipped with the (BS10/C-H2) bridge. On the lower part of the primary hull is the (SM49/12H) main sensor array and (DN4/10H) navigational dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. Towards the rear of the secondary hull above the hangar deck are two (BP2/30-2C) phaser banks. On the underside of the secondary hull are four additional (BP2/30-2C) phaser banks. To the rear of the primary hull are (IRF35E/4-IR) dual impulse units which are used for auxiliary power and sub-light propulsion. The vessels's warp fields are generated by two (SW52/1-5RT) warp nacelles attached to the (SH117/C-H2) secondary hull by (DU/35-6F) support pylons. The primary and secondary hulls are joined by the (DU/50-48C) connecting dorsal. Located to the front of the secondary hull is the (DN2/D-9) navigational deflector used to assist the shields in deflecting oncoming projectiles. To the rear of the secondary hull is a medium hangar deck. Running through the dorsal is the (M25/14-2E) intermix chamber. The (AM8/36-4F) matter/antimatter storage tanks are located in the forward-lower secondary hull in line with the dorsal spine for emergency jettisoning. Nestled between the dorsal and the secondary hull is a forward facing (PB2/25-10G) photon torpedo bay. In the event of an emergency the primary and secondary hulls can separate; each being able to carry the ships full complement. Once separated the primary hull can maneuver on impulse power for extended periods of time.

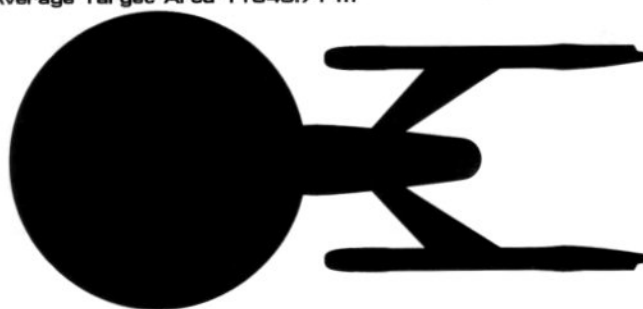
For additional detail refer to Datasheet MV-2

Class Emblem



Ship Silhouettes

Total Target Area 34931.13 m²
Average Target Area 11643.71 m²



Top Silhouette
Area 22711.42 m²



Port Silhouette
Area 8217.55 m²

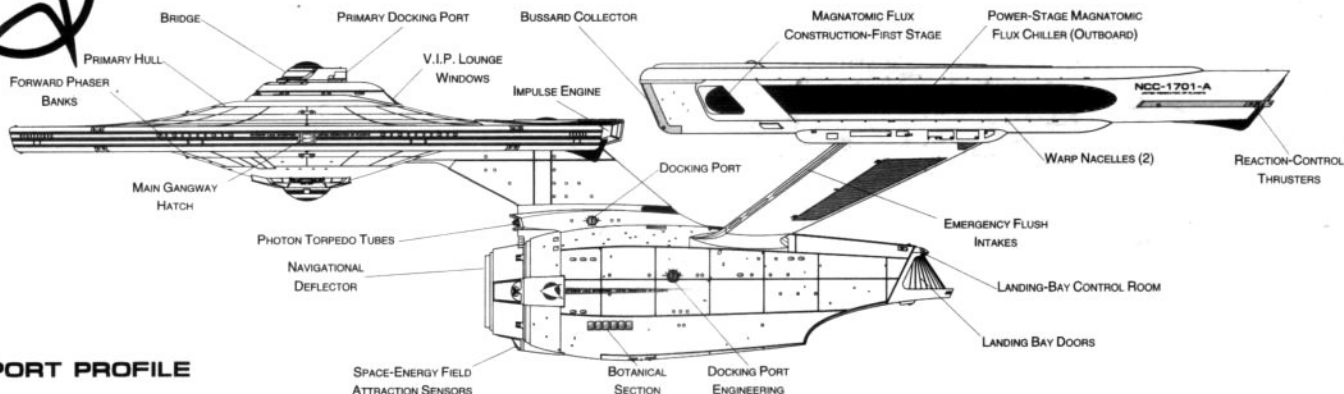


Front Silhouette
Area 4002.16 m²

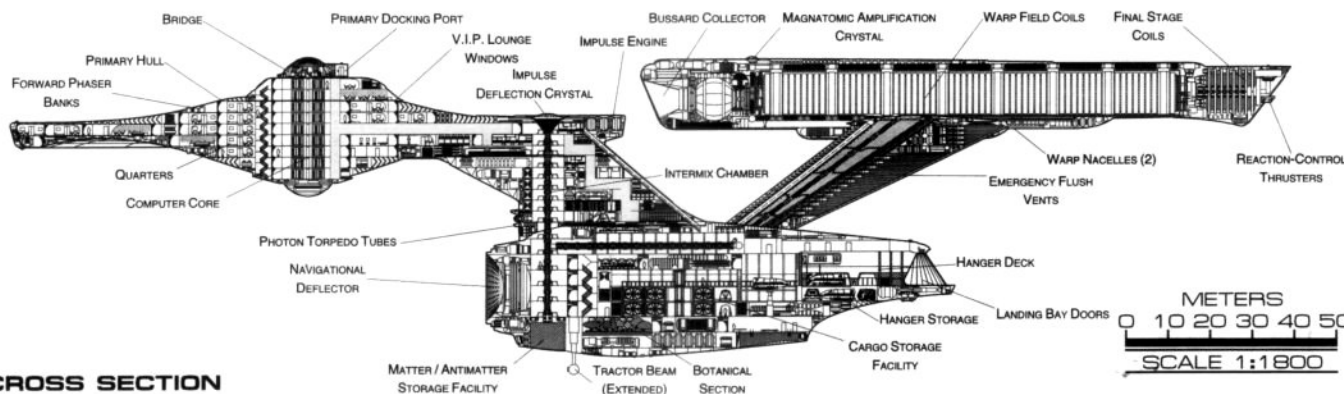


HEAVY CRUISER

ENTERPRISE CLASS



PORT PROFILE



CROSS SECTION

METERS
0 10 20 30 40 50
SCALE 1:1800

Statistics

Classification: Heavy Cruiser
Category: Cruiser
Class: Enterprise
Type: Class 1
Model: MK-IXa
Naval Construction Contract: 1700
Number Proposed: 89
Number Constructed: 50
Number in Service: 49
Number Lost: 1
Dimensions:

Overall Dimensions (Meters)

Length: 304.8 m
Width: 141.72 m
Height: 71.31 m

Primary Hull Dimensions (Meters)

Length: 146.31 m
Width: 141.72 m
Height: 32.94 m

Secondary Hull Dimensions (Meters)

Length: 121.23 m
Width: 32.92 m
Height: 31.59 m

Warp Unit Dimensions (Meters)

Length: 154.81 m
Width: 12.63 m
Height: 18.32 m

Displacement (Metric Tons)

Light: 184381 mt
Standard: 197543 mt
Full Load: 220521 mt

Performance:

Impulse Units: Dual Unit (IRF35E/4-IR)
Impulse Engine Output: 7.8×10^{13} W
Impulse Power Index: 1.00
Max Cruising: C
Acceleration Rate:
0.00-0.25 Impulse: 0.2 sec.
0.25-0.50 Impulse: 0.3 sec.
0.50-0.75 Impulse: 0.4 sec.
0.75-Full Impulse: 0.5 sec.
Warp Units: 2 Nacelle Units (SW52/1-5RT)
Warp Engine Output: 1.2×10^{15} W
Warp Power Index: 1.00

Optimum Speed: 4
Max. Safe Cruising: 6
Emergency Speed: 8
Max. Speed: 9.1
Destructive Speed: 9.25
Acceleration Power: 3
Acceleration Times:
Warp 1 - Warp 2: 0.2 sec.
Warp 2 - Warp 3: 0.32 sec.
Warp 3 - Warp 4: 1.21 sec.
Warp 4 - Warp 5: 1.74 sec.
Warp 5 - Warp 6: 1.86 sec.
Warp 6 - Warp 7: 2.01 sec.
Warp 7 - Warp 8: 2.58 sec.
Warp 8 - Warp 9: 3.69 sec.
Warp 9 - Warp 9.5: 8.2 sec.
Warp 9.5 - Warp 9.75: 9.5 sec.
Warp 9.75 - Warp 9.9: 19.7 sec.

Duration (Years)

Standard: 4 Years
Maximum: 16 Years
Std. Ships Complement: 434

Officers: 72
Crew (Ensign Grade): 350
Troops: 12
Passengers: 50
Emergency condition: + 600

Medical Facilities:

Doctors: 4
Medical Staff: 9
Operating Rooms: 3
Beds: 21

Laboratories: 6

Transporters Total: 13

1 Person: 0
2 Person: 0
6 Person: 4
12 Person: 0
22 Person: 4
Small Cargo: 2
Medium Cargo: 2
Large Cargo: 0
Super Cargo: 0

Brigs: 12
Replicators: 15
Tractor Beams: 1
Tow Capacity: 3.5×10^6 mt
Max Range: 1×10^5 km

Cargo Specification:

Standard Cargo Units: 450
Cargo Capacity: 22500 mt

Shuttlecraft Specifications:

Docking Ports: 5

Shuttlecraft Bays Total: 1

Small Bay: 0
Medium Bay: 1
Large Bay: 0
Super Bay: 0

Shuttlecraft Standard: 24

Work Bees: 2
Travel Pods: 2
Aquatic Shuttle: 1
Light Shuttle: 1
Standard Shuttle: 1
Heavy Shuttle: 1
Cargo Shuttle: 1
Assault Shuttle: 1
Killer Bees: 3
Light Fighter: 4
Fighter: 4
Heavy Fighter: 3

Lifeboats: 45

Turbolift (8 person): 25
Lifeboat (10 person): 14
Lifeboat (20 person): 6
Lifeboat (30 person): 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.00
Stellar Survey: 1.00
Short Range: 1.00
Long Range: 1.00
Navigation: 1.00
Special: 1.00

Computers: 2

Type: Daystrom Duotronic 1-III:b
Type: Daystrom Duotronic 1-II:h

ECM Index: 1.00

Shield Rating:

Shield Index: 0.50
Holdoff Power: 1.62×10^{12} W
Refresh Rate: 4.6×10^{11} W
Breakdown Rate: 5.53×10^{11} W
Shield Dimensions (Meters)
Length: 457.2 m
Width: 212.6 m
Height: 107 m

Weapons:

Phaser Power Index: 1.00
Photon Power Index: 1.00
Vessel Power Index: 1.00
Weapon Placement:
Beam (Phasers) Total: 9 banks 2 each
Output: 5×10^{11} W 2.5×10^{11} W
Range: 2.5×10^5 km
Rate of Fire: 30 ppm/Cont.
Forward Banks: 2
Rear Banks: 1
Port Banks: 2
Starboard Banks: 2
Upper Banks: 0
Lower Banks: 2
Beam (MegaPhasers) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A
Forward/Rear Banks: 0
Port/Starboard Banks: 0
Upper/Lower Banks: 0
Torpedoes (Photon) Total: 2 Bays
Stock: 25
Range: 2×10^5 km
Output: 10-50 MT
Rate of Fire: 10 spm
Forward Bay: 1
Rear Bay: 0
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

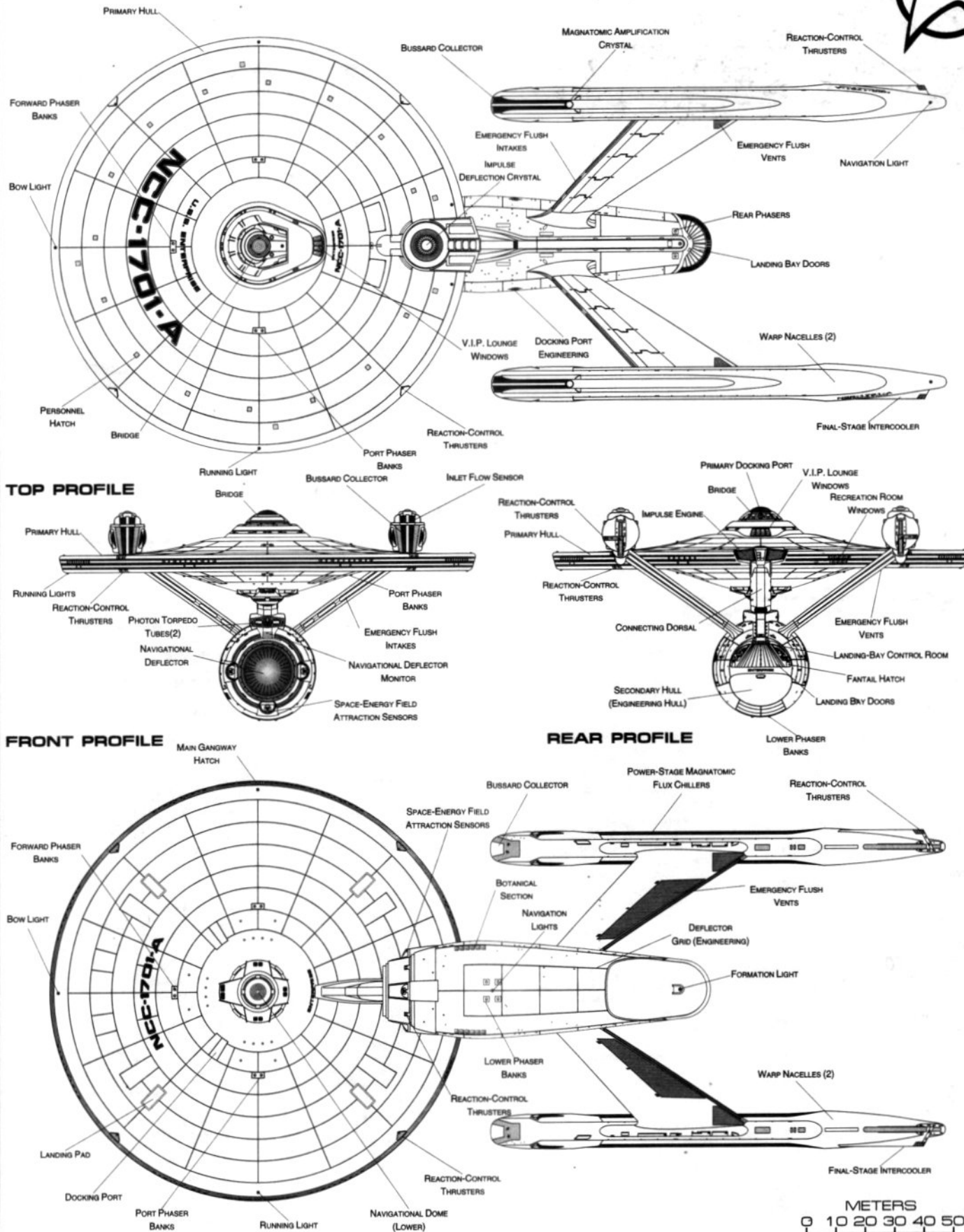
FEDERATION VESSEL

HEAVY CRUISER



ENTERPRISE CLASS

FEDERATION VESSEL



METERS
0 10 20 30 40 50
SCALE 1:1800



Ship Names

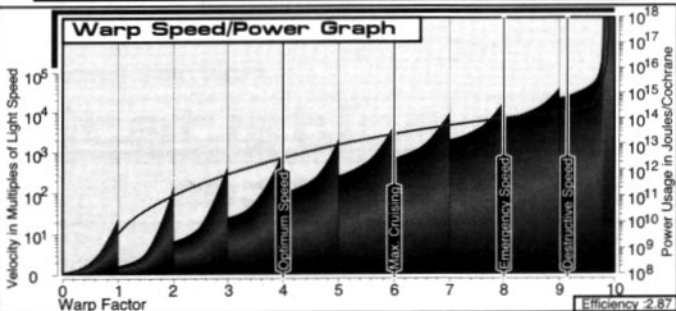
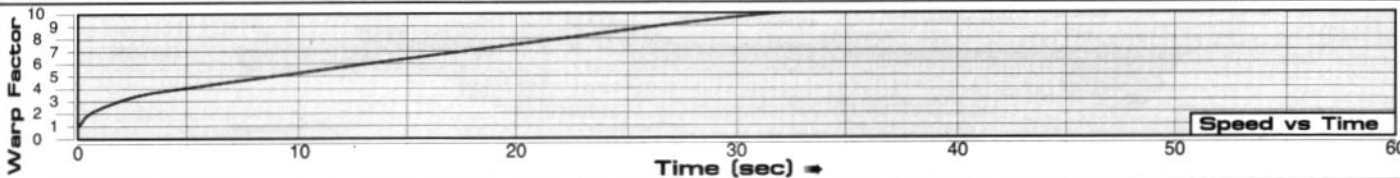
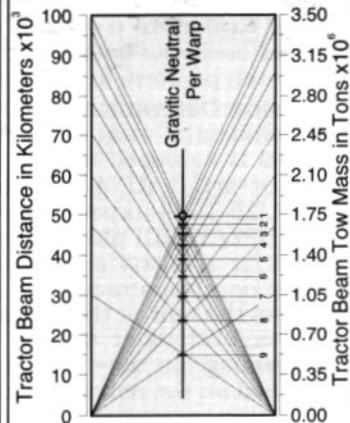
THE FOLLOWING SHIPS OF THE MK-IX^a CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2268.2

ACHERNAR • NCC-1732	GALINA • NCC-1764***	MONITOR • NCC-1713	TAJARHI • NCC-1783***
ALFERAZ • NCC-1781***	GHAR • NCC-1786***	NDELE • NCC-1758***	TALI • NCC-1751
ALFR • NCC-1741	GHONDR • NCC-1749	OBLIK • NCC-1772***	TEMIR • NCC-1763***
ANDROCUS • NCC-1738	HAJJ • NCC-1782***	OOMARU • NCC-1761***	THELONII • NCC-1742
ANNOBON • NCC-1752***	HOOD • NCC-1707	PAEGAN • NCC-1755***	THOLUS • NCC-1747
ARI • NCC-1723	HORNET • NCC-1714	PARI • NCC-1787***	TORI • NCC-1725
ASTRAD • NCC-1739	HOROK • NCC-1748	PELIONE • NCC-1750	TULAN • NCC-1777***
BONHOMME RICHARD • NCC-1712	INTREPID • NCC-1708	PHARDOS • NCC-1757***	VALIANT • NCC-1709
CASPAN • NCC-1753***	JASSAN • NCC-1754***	PILAR • NCC-1746	VEGA • NCC-1730
CONSTELLATION • NCC-1728***	JUPITER • NCC-1734	POTEMPKIN • NCC-1711	WASP • NCC-1721
INDEPENDENCE • NCC-1700	KAP SALU • NCC-1767***	PROCYON • NCC-1756***	XANTHII • NCC-1743
DEFIANCE • NCC-1717	KARS • NCC-1769***	PROXIMA • NCC-1737	YAAN • NCC-1762***
EAGLE • NCC-1719	KASIMAR • NCC-1784***	QUAL'AT • NCC-1776***	YORKTOWN • NCC-1704
EKINUS • NCC-1771***	KESTRAL • NCC-1766***	QUINDAR • NCC-1736	ZAAHM • NCC-1780***
EL DORADO • NCC-1722	KETOI • NCC-1768***	QUIZAN • NCC-1775***	ZA-FARAN • NCC-1760***
ENDEAVOR • NCC-1716	KONGO • NCC-1710	REPUBLIC • NCC-1729	ZINDAR • NCC-1759
ENTERPRISE • NCC-1701**	KRIEGER • NCC-1726	RIGIL KENTAURIUS • NCC-1735	
ENTERPRISE (II) • NCC-1701A*	LAFAYETTE • NCC-1720	SALAYNA • NCC-1774***	
ESABL • NCC-1779***	LEXINGTON • NCC-1703	SAMAARA • NCC-1765***	
ESKUIS • NCC-1789***	MAZDA • NCC-1778***	SARATOGA • NCC-1724***	
ESSEX • NCC-1727	MENGEN • NCC-1773***	SHAR • NCC-1745	
EXCALIBUR • NCC-1705	MERRIMAC • NCC-1715	SINUJUI • NCC-1770***	
EXCELSIOR • NCC-1718**	MIRAZH • NCC-1788***	SIRIUS • NCC-1744	
EXETER • NCC-1706	MONDOLOY • NCC-1740	SOL • NCC-1733	
FARRAGUT • NCC-1702	MONGO • NCC-1785***	SPICA • NCC-1731	

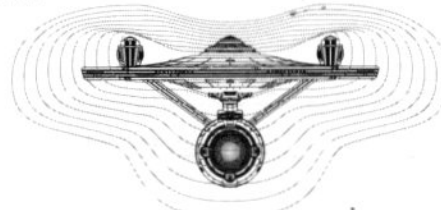
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

Tractor Beam Specifications

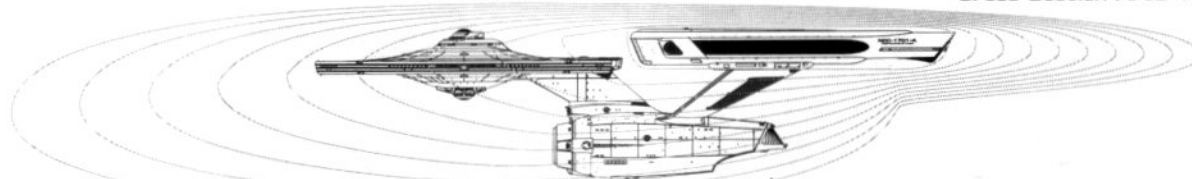
Primary Tractor Beam Load Calculator



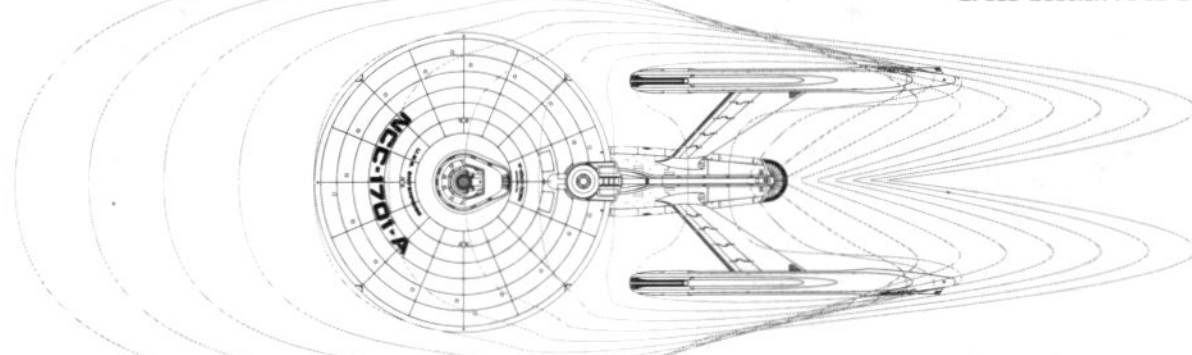
Field Length 565.79m
Field Width 207.69m
Field Height 100.96m



Front Warp Field Profile
Cross Section Area 14632.46 m²



Port Warp Field Profile
Cross Section Area 39296.22 m²



Top Warp Field Profile
Cross Section Area 81833.14 m²

WARP FIELDS

SRMA-1 05:03:06:04

STARFLEET REFERENCE MANUAL

ENTERPRISE CLASS

FEDERATION VESSEL

THROUGH DECK CRUISER



General Information

Specific Role: The Through Deck Cruiser is a highly maneuverable, frontline, fighter/shuttle delivery system based on the Enterprise Class Heavy Cruiser. The vessel can perform on par with a Heavy Cruiser and deliver small craft directly into the action on the frontline. The through deck provides facilities for rapid recovery and turn-around of small craft during combat missions. These vessels are used to investigate worlds for formal first contact follow-up missions.

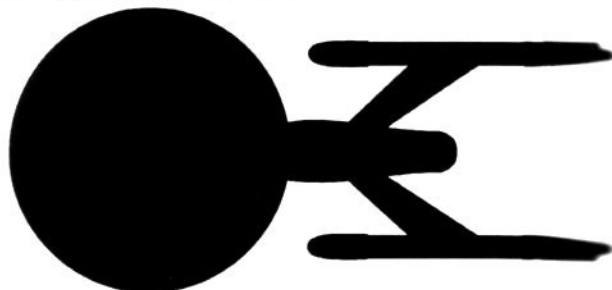
Physical Description: The (PH147/SC-T3) primary hull is equipped with the (BS9/SC-R2) bridge which incorporates a larger tracking station as well as additional light craft support systems. On the lower part of the primary hull is the (SM49/7E) main sensor array and (DN4/9B) navigational dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. Towards the rear of the secondary hull above the hangar deck are two (BP2/30-2C) phaser banks. On the underside of the secondary hull are four additional (BP2/30-2C) phaser banks. To the rear of the primary hull are (IRF35E/4-AW) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SW52/1-5NV) warp nacelles attached to the (SH131/SC-C5) secondary hull by (DU/35-6G) support pylons. The primary and secondary hulls are joined by the (DU/50-48D) connecting dorsal. Located through the centerline of the secondary hull are the two connected medium hangar decks. Running through the dorsal is the (MD25/14-2R) intermix chamber. Inside upper rear secondary hull, the (AM8/36-4C) matter/antimatter storage tanks are easily jettisoned in case of an emergency. At the base of the dorsal is a forward facing (PB2/25-10F) photon torpedo bay. In the event of an emergency the primary and secondary hulls can separate; each being able to carry the ships full complement. Once separated the primary hull can maneuver on impulse power for extended periods of time.

Class Emblem



Ship Silhouettes

Total Target Area 38430.12 m²



Top Silhouette
Area 25589.44 m²



Port Silhouette
Area 9218.24 m²



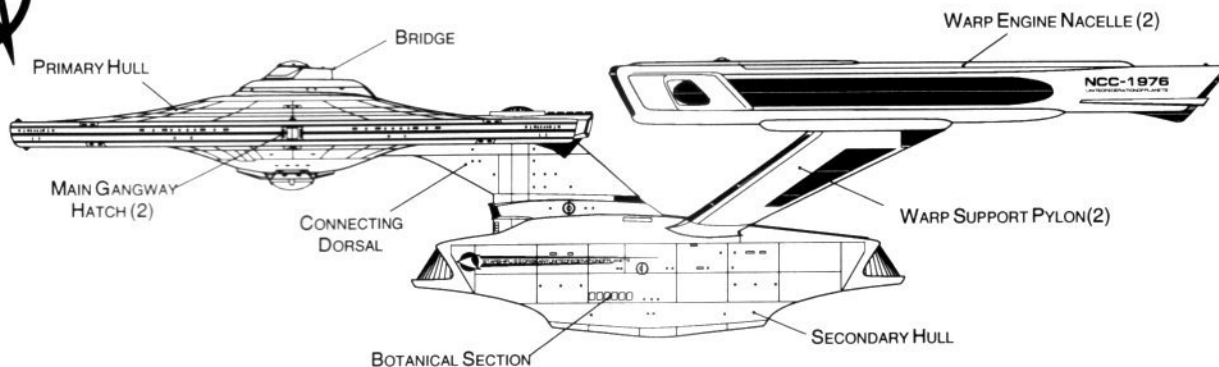
Front Silhouette
Area 3622.44 m²



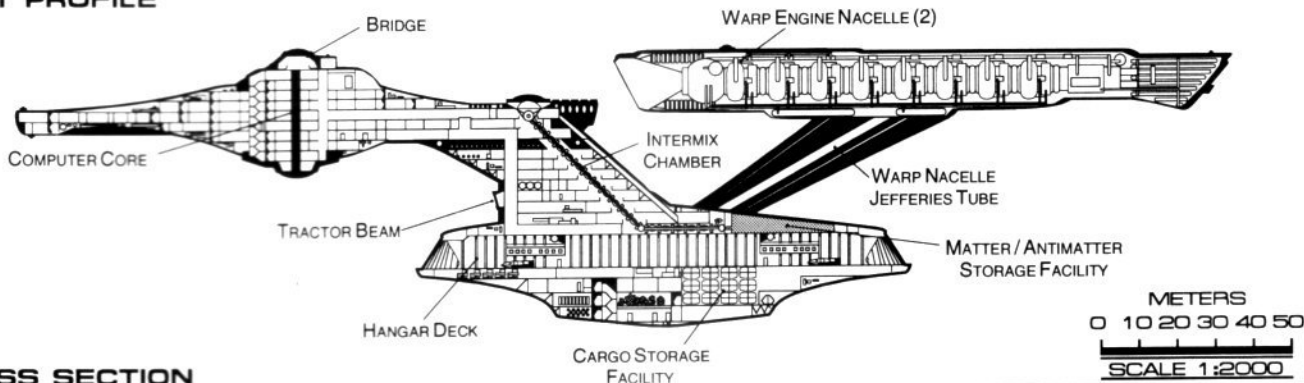
THROUGH DECK CRUISER

ORISKANY CLASS

FEDERATION VESSEL



PORT PROFILE



CROSS SECTION

Statistics

Classification: Through Deck Cruiser

Category: Carrier

Class: Oriskany

Type: Class 1

Model: MK-XXII

Naval Construction Contract: 1900

Number Proposed: 35

Number Constructed: 35

Number in Service: 34

Number Lost: 1

Dimensions:

Overall Dimensions (Meters)

Length: 304.80m

Width: 141.72m

Height: 70.47m

Primary Hull Dimensions (Meters)

Length: 146.31m

Width: 141.72m

Height: 32.94m

Secondary Hull Dimensions (Meters)

Length: 124.65m

Width: 31.21m

Height: 30.91m

Warp Unit Dimensions (Meters)

Length: 154.81m

Width: 12.63m

Height: 18.32m

Displacement (Metric Tons)

Light: 184,381mt

Standard: 197,543mt

Full Load: 220,521mt

Performance:

Impulse Units: Dual Unit (IRF35E/4-AW)

Impulse Engine Output: 7.8×10^{13} W

Impulse Power Index: 1.00

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.200 sec.

0.25-0.50 Impulse: 0.300 sec.

0.50-0.75 Impulse: 0.400 sec.

0.75-Full Impulse: 0.500sec.

Warp Units: 2 Nacelle Units (SW52/1-5NV)

Warp Engine Output: 1.20×10^{15} W

Warp Power Index: 1.000

Optimum Speed: Warp 4

Max. Safe Cruising: Warp 6

Emergency Speed: Warp 8

Max. Speed: Warp 9.1

Destructive Speed: Warp 9.25

Acceleration Power: 3.0

Acceleration Times:

Warp 1 - Warp 2: 0.200 sec.

Warp 2 - Warp 3: 0.320 sec.

Warp 3 - Warp 4: 1.210 sec.

Warp 4 - Warp 5: 1.740 sec.

Warp 5 - Warp 6: 1.860 sec.

Warp 6 - Warp 7: 2.010 sec.

Warp 7 - Warp 8: 2.580 sec.

Warp 8 - Warp 9: 3.690 sec.

Warp 9 - Warp 9.5: 8.200 sec.

Warp 9.5 - Warp 9.75: 9.500 sec.

Warp 9.75 - Warp 9.9: 19.700 sec.

Duration (Years)

Standard: 5 Years

Maximum: 20 Years

Std. Ships Complement: 358

Officers: 56

Crew (Ensign Grade): 276

Troops: 26

Passengers: 50

Emergency condition: +486

Medical Facilities:

Doctors: 4

Nurses: 21

Operating Rooms: 3

Beds: 21

Laboratories: 8

Transporters Total: 9

1 Person: 0

2 Person: 0

6 Person: 3

12 Person: 0

22 Person: 3

Small Cargo: 2

Medium Cargo: 1

Large Cargo: 0

Super Cargo: 0

Brigs: 18

Replicators: 15

Tractor Beams: 1

Tow Capacity: 5.25×10^6 mt

Max Range: 1.15×10^5 km

Cargo Specification:

Standard Cargo Units: 376

Cargo Capacity: 18,800mt

Shuttlecraft Specifications:

Docking Ports: 3

Shuttlecraft Bays Total: 2

Small Bay: 0

Medium Bay: 2

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 44

Work Bees: 3

Travel Pods: 2

Aquatic Shuttle: 2

Light Shuttle: 2

Standard Shuttle: 8

Heavy Shuttle: 2

Cargo Shuttle: 2

Assault Shuttle: 5

Killer Bees: 4

Fighter: 8

Heavy Fighter: 6

Lifeboats: 32

Turbolift (8 person): 16

Lifeboat (10 person): 11

Lifeboat (20 person): 4

Lifeboat (30 person): 1

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 0.9670

Stellar Survey: 0.8608

Short Range: 0.934

Long Range: 0.8754

Navigation: 1.1198

Special: 1.9397

Computers: 2

Type: Daystrom Duotronic III:x

Type: Daystrom Duotronic II:b

ECM Index: 1.00

Shield Rating:

Shield Index: 0.98

Holdoff Power: 3.19×10^{12} W

Refresh Rate: 9.07×10^{11} W

Breakdown Rate: 1.09×10^{12} W

Shield Dimensions (Meters)

Length: 387.22m

Width: 177.01m

Height: 88.98m

Weapons:

Phaser Power Index: 0.78

Photon Power Index: 0.00

Vessel Power Index: 0.39

Weapon Placement:

Beam (Phasers) Total: 7 banks 2 each

Output: 5.0×10^{11} W / 2.5×10^{11} W

Range: 2.5×10^5 km

Rate of Fire: 30 ppm / Cont.

Forward Banks: 2

Rear Banks: 1

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

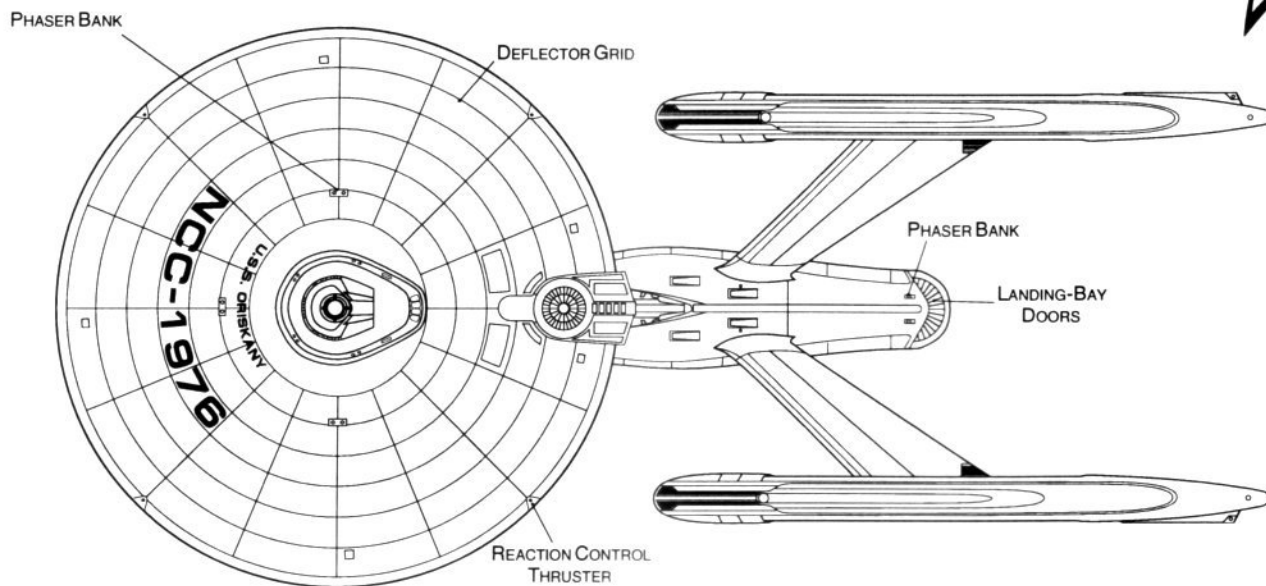
Port Bay: 0

Starboard Bay: 0

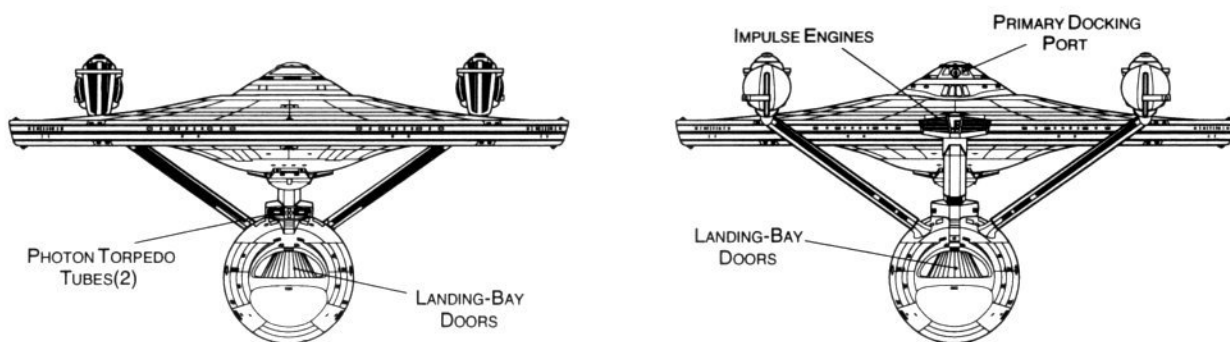
Upper Bay: 0

Lower Bay: 0

THROUGH DECK CRUISER

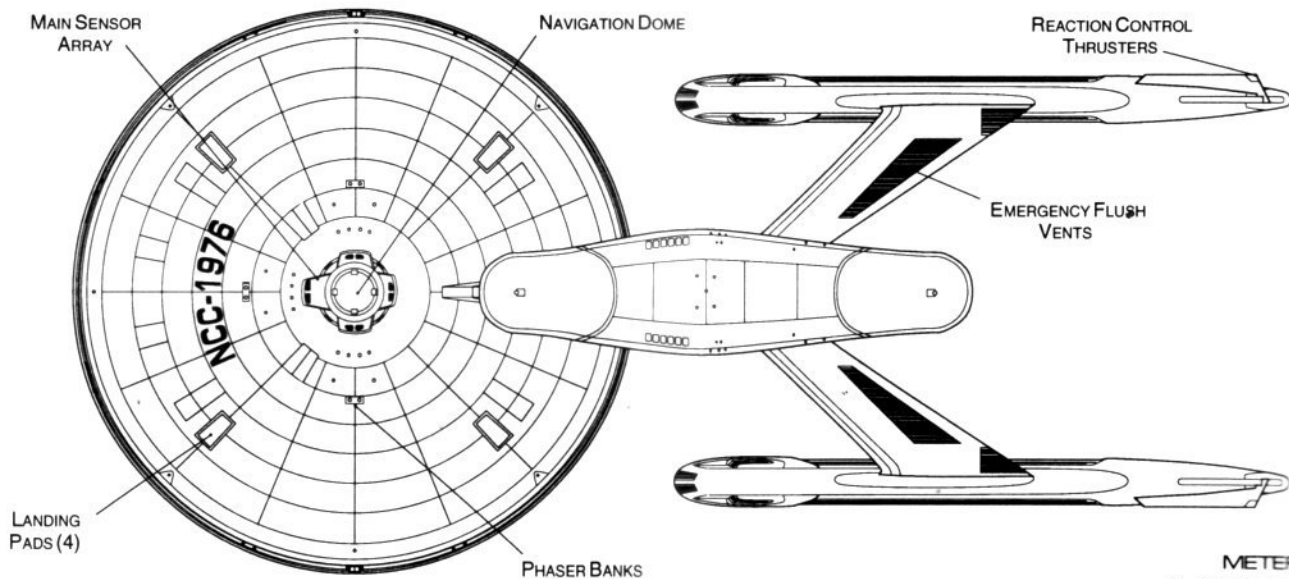


TOP PROFILE



FRONT PROFILE

REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40
SCALE 1:2000



THROUGH DECK CRUISER

Ship Names

THE FOLLOWING SHIPS OF THE MK-XXII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2268.11

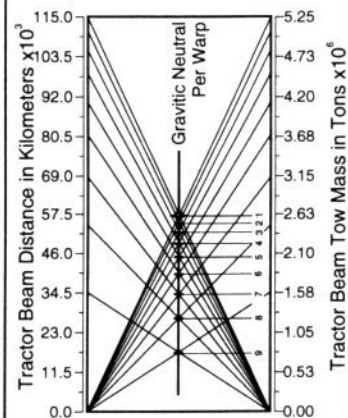
BENNINGTON •NCC-1978
CARLAT •NCC-1971
CHELSEA •NCC-1969
CLEMENCEAU •NCC-1977
CORONADO •NCC-1975
DAUPHINAIS •NCC-1952
DEVONSHIRE •NCC-1979
DRAGO •NCC-1970
EBREW •NCC-1981
ESCRIBA •NCC-1960
FORBUS •NCC-1962**
KATARINA •NCC-1953
KIEV •NCC-1980
KINCAID •NCC-1964
KINNEBREW •NCC-1951
KRILE •NCC-1972
LABRYNTH •NCC-1968
LAWTON •NCC-1961
LECHNER •NCC-1963
MUELLER •NCC-1954
ORISKANY •NCC-1976*
PHINAIS •NCC-1982
PRUITT •NCC-1950
QUINTEN •NCC-1957
RITHMIRE •NCC-1966

RUSSELL •NCC-1974
SCETO •NCC-1955
SMARTT •NCC-1967
SOLTER •NCC-1973
TARINA •NCC-1983
UELLER •NCC-1984
WINDSOR •NCC-1956
YOUNG •NCC-1965
YOURICH •NCC-1959
ZABELL •NCC-1958

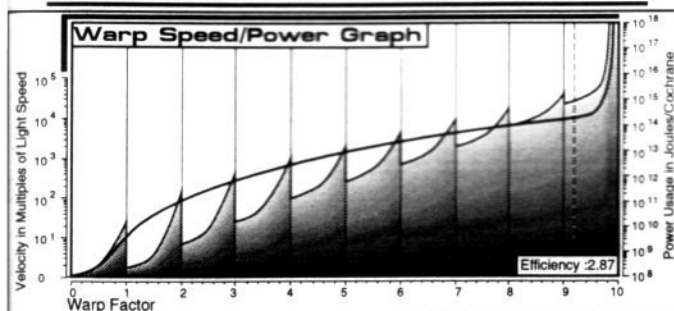
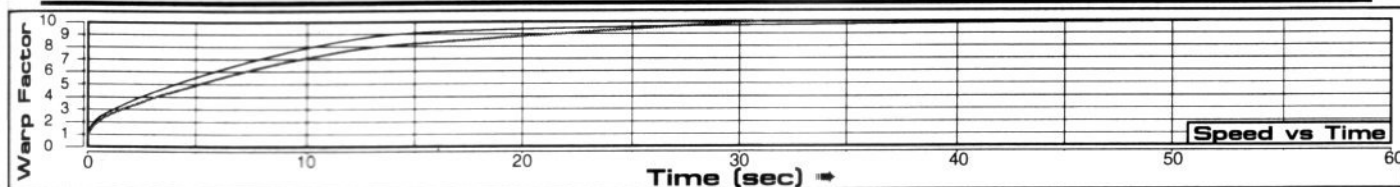
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

Tractor Beam Specifications

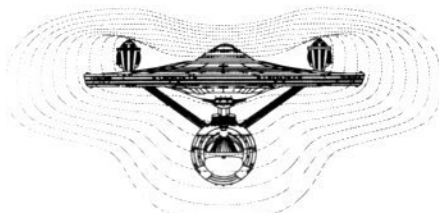
Primary Tractor Beam Load Calculator



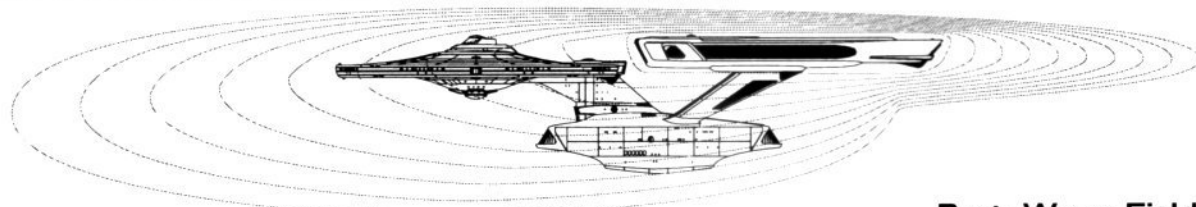
ORISKANY CLASS



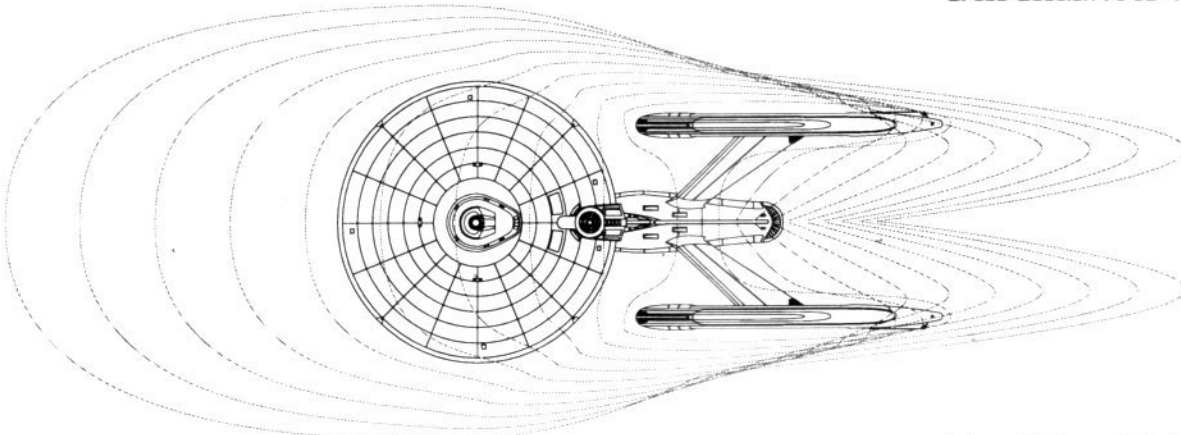
Field Length 628.7m
Field Width 230.8m
Field Height 112.2m



Front Warp Field Profile
Cross Section Area 18142.00 m²



Port Warp Field Profile
Cross Section Area 48594.08 m²



Top Warp Field Profile
Cross Section Area 100920.00 m²

WARP FIELDS

FEDERATION VESSEL

CRUISER

General Information

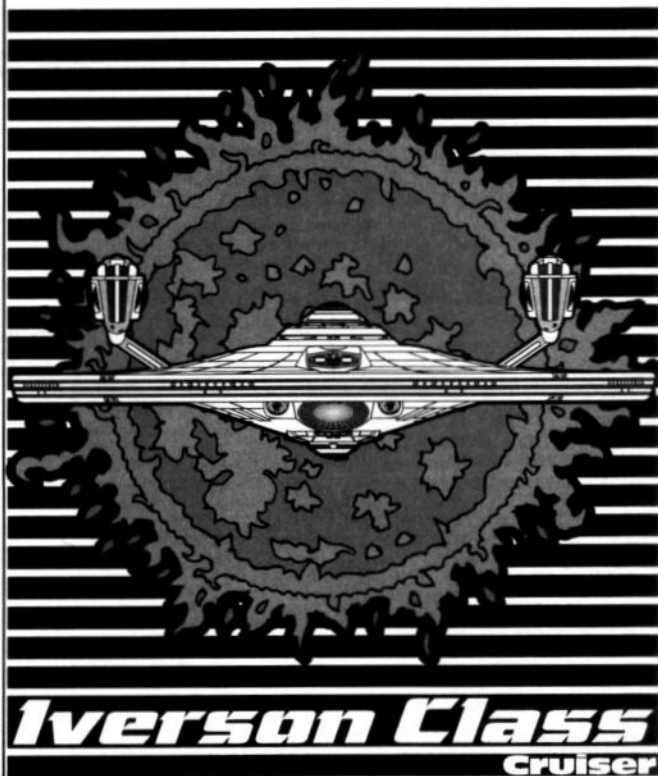


Specific Role: The Cruiser is the backbone of the Federation for exploration and defense. It is equipped with moderate laboratories, standard weapons systems and defensive ECM equipment. Its primary mission is exploration, however it is also used for perimeter defense and diplomatic duty. The Cruiser is often used as a research facility in areas too dangerous for lightly armed dedicated research vessels.

Physical Description: The (PH162/V-F2) primary hull is equipped with the (BS9/V-U4) bridge. On the lower part of the primary hull is the (SM49/6J) main sensor array and (DN4/3A) navigational dome. Located on the top of the primary hull is the forward facing and (PB2/25-10W) torpedo bay. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2V) phaser banks. A single photon torpedo bay is mounted to the front of the primary hull. To the rear of the primary hull are (IRF35E/3-GB) dual impulse units which are used for auxiliary power and sub-light propulsion. The vessels's warp fields are generated by two (SW52/1-5AC) warp nacelles attached the rear of the primary hull by (DU/21-2F) support pylons. Located at the rear of the primary hull, just inside each pylon is the (M31/1-2D) intermix chamber. The (AM8/28-4Y) matter/antimatter storage tanks are located on the rear part of the hull, along the outer edge, for emergency jettisoning. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power

For additional detail refer to Datasheet MV-16

Class Emblem

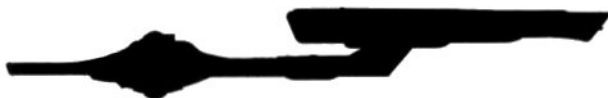


Ship Silhouettes

Total Target Area 28615.52 m²
Average Target Area 9538.51 m²



Top Silhouette
Area 21657.55 m²



Port Silhouette
Area 4874.75 m²

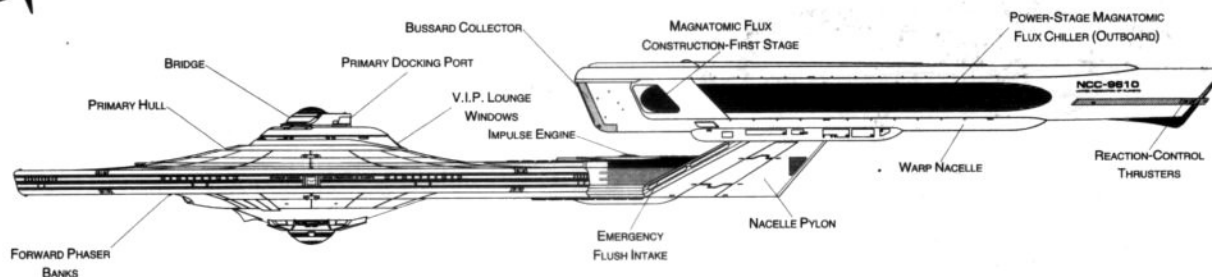


Front Silhouette
Area 2083.22 m²

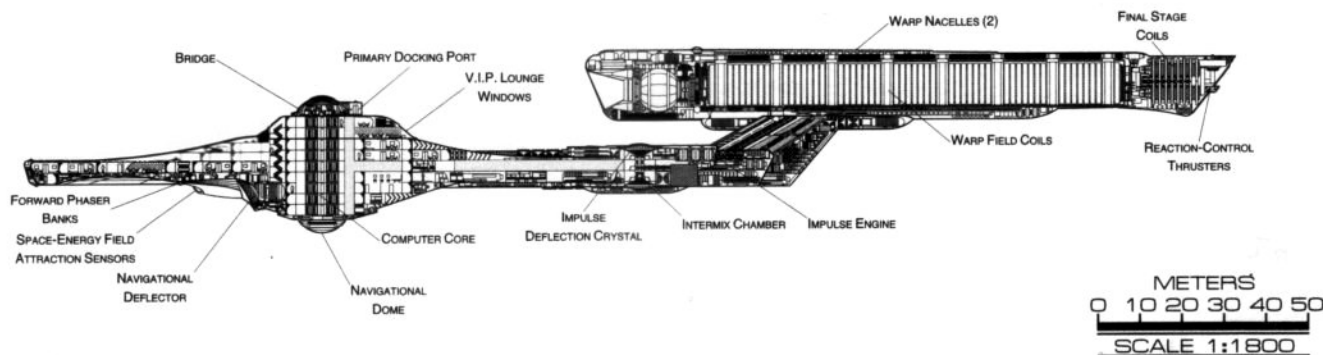


CRUISER

IVERSON CLASS



PORT PROFILE



CROSS SECTION

Statistics

Classification: Cruiser

Category: Cruiser

Class: Iverson

Type: Class1

Model: MK-XLIIIa

Naval Construction Contract: 9610

Number Proposed: 48

Number Constructed: 42

Number in Service: 42

Number Lost: 0

Dimensions:

Overall Dimensions (Meters)

Length: 288.36 m

Width: 141.7 m

Height: 43.91 m

Primary Hull Dimensions (Meters)

Length: 146.31 m

Width: 141.72 m

Height: 32.94 m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 154.81 m

Width: 12.63 m

Height: 17.02 m

Displacement (Metric Tons)

Light: 120782 mt

Standard: 129404 mt

Full Load: 144456 mt

Performance:

Impulse Units: Dual Unit (IRF35E/3-GB)

Impulse Engine Output: 7.8×10^{13} W

Impulse Power Index: 1.53

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.131 sec.

0.25-0.50 Impulse: 0.197 sec.

0.50-0.75 Impulse: 0.262 sec.

0.75-Full Impulse: 0.328 sec.

Warp Units: 2 Nacelle Units (SW52/1-5AC)

Warp Engine Output: 1.2×10^{15} W

Warp Power Index: 1.53

Optimum Speed: 4

Max. Safe Cruising: 6

Emergency Speed: 8

Max. Speed: 9.1

Destructive Speed: 9.25

Acceleration Power: 3

Acceleration Times:

Warp 1 - Warp 2: 0.131 sec.

Warp 2 - Warp 3: 0.21 sec.

Warp 3 - Warp 4: 0.793 sec.

Warp 4 - Warp 5: 1.14 sec.

Warp 5 - Warp 6: 1.218 sec.

Warp 6 - Warp 7: 1.317 sec.

Warp 7 - Warp 8: 1.69 sec.

Warp 8 - Warp 9: 2.417 sec.

Warp 9 - Warp 9.5: 5.372 sec.

Warp 9.5 - Warp 9.75: 6.223 sec.

Warp 9.75 - Warp 9.9: 12.905 sec.

Duration (Years)

Standard: 4 Years

Maximum: 16 Years

Std. Ships Complement: 347

Officers: 57

Crew (Ensign Grade): 280

Troops: 10

Passengers: 30

Emergency condition: + 466

Medical Facilities:

Doctors: 3

Medical Staff: 7

Operating Rooms: 2

Beds: 16

Laboratories: 4

Transporters Total: 8

1 Person: 0

2 Person: 0

6 Person: 3

12 Person: 0

22 Person: 3

Small Cargo: 1

Medium Cargo: 1

Large Cargo: 0

Super Cargo: 0

Brigs: 8

Replicators: 10

Tractor Beams: 1

Tow Capacity: 3.74×10^6 mt

Max Range: 9×10^4 km

Cargo Specification:

Standard Cargo Units: 182

Cargo Capacity: 9100 mt

Shuttlecraft Specifications:

Docking Ports: 1

Shuttlecraft Bays Total: 1

Small Bay: 1

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 17

Work Bees: 1

Travel Pods: 1

Aquatic Shuttle: 1

Light Shuttle: 0

Standard Shuttle: 1

Heavy Shuttle: 1

Cargo Shuttle: 1

Assault Shuttle: 3

Killer Bees: 2

Light Fighter: 2

Fighter: 2

Heavy Fighter: 2

Lifeboats: 33

Turbolift (8 person): 16

Lifeboat (10 person): 12

Lifeboat (20 person): 5

Lifeboat (30 person): 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 0.95

Stellar Survey: 0.96

Short Range: 0.96

Long Range: 0.97

Navigation: 0.99

Special: 0.94

Computers: 2

Type: Daystrom Duotronic 1-III:g

Type: Daystrom Duotronic 1-II:p

ECM Index: 0.99

Shield Rating:

Shield Index: 1.15

Holdoff Power: 2.44×10^{12} W

Refresh Rate: 6.93×10^{11} W

Breakdown Rate: 8.32×10^{11} W

Shield Dimensions (Meters)

Length: 432.5 m

Width: 212.6 m

Height: 65.9 m

Weapons:

Phaser Power Index: 1.02

Photon Power Index: 1.53

Vessel Power Index: 1.27

Weapon Placement:

Beam (Phasers) Total: 6 banks 2 each

Output: 5×10^{11} W 2.5×10^{11} W

Range: 2.5×10^5 km

Rate of Fire: 30 ppm/Cont.

Forward Banks: 2

Rear Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: 2 Bays

Stock: 25

Range: 2×10^5 km

Output: 10-50 MT

Rate of Fire: 10 spm

Forward Bay: 1

Rear Bay: 0

Port Bay: 0

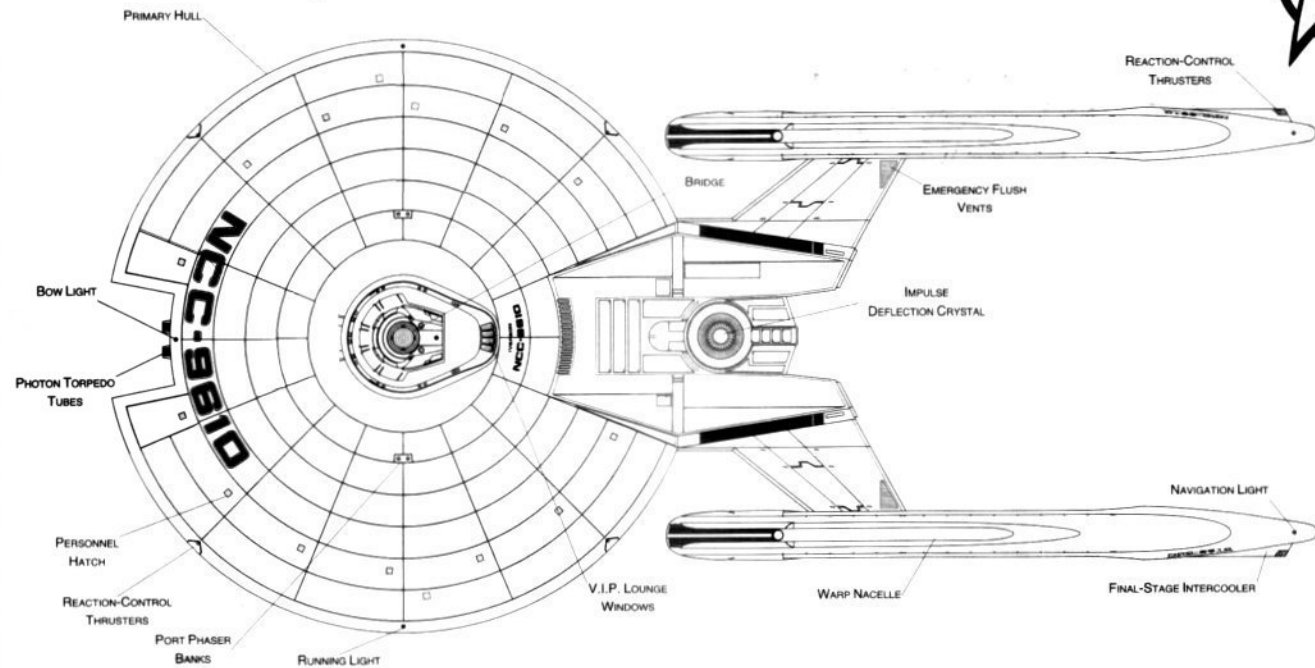
Starboard Bay: 0

Upper Bay: 0

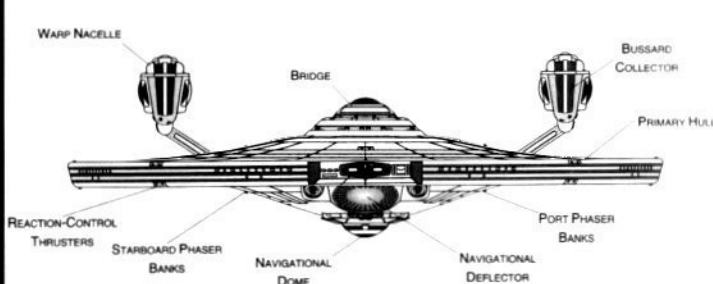
Lower Bay: 0

FEDERATION VESSEL

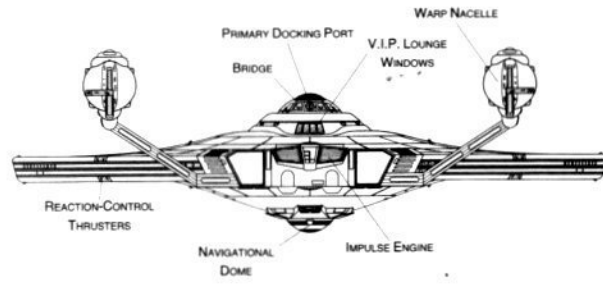
CRUISER



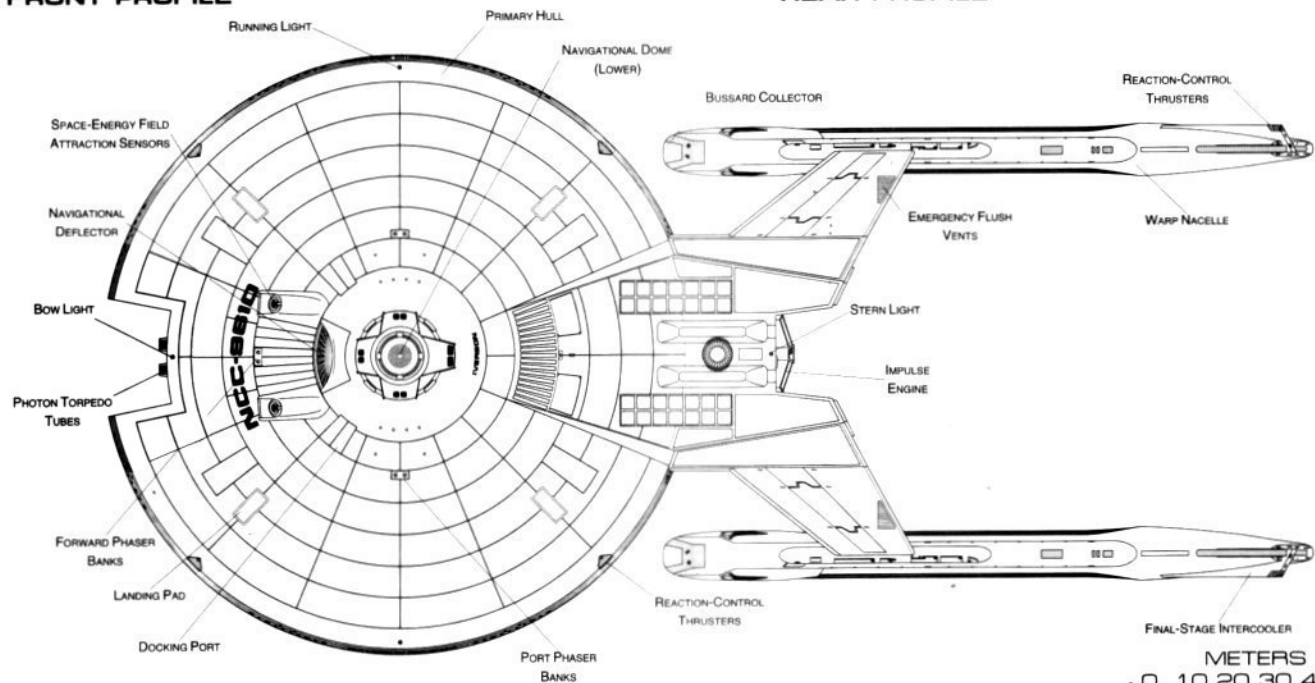
TOP PROFILE



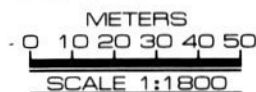
FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE





Ship Names

THE FOLLOWING SHIPS OF THE MK-XLIIIa CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2268.10

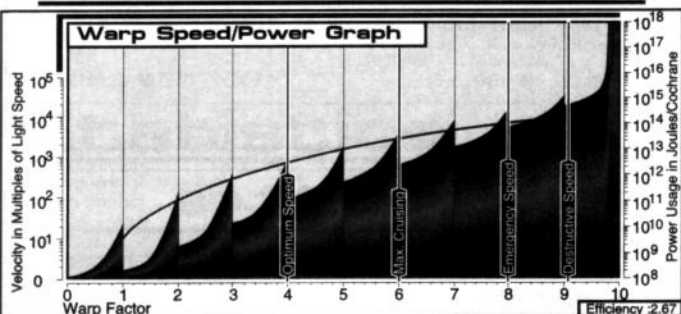
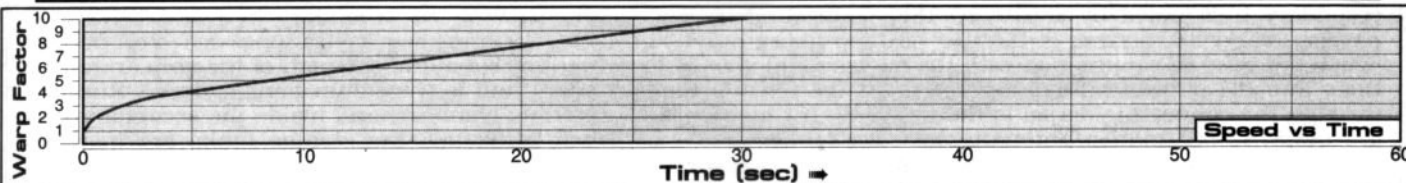
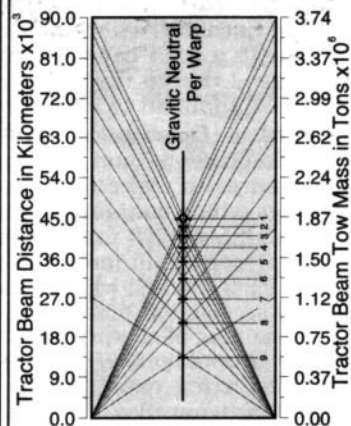
AGORA •NCC-9621	LOR'VELA •NCC-9642 ***
AMUNDSEN •NCC-9639	L'UVAN •NCC-9643 ***
BAIKONUR •NCC-9633	MEDARA •NCC-9630
BOLKINUA •NCC-9624	NEW BERLIN •NCC-9604
BOLRABI •NCC-9623	NEW GLASGOW •NCC-9619
BOLSETU •NCC-9646 ***	NEW JALEYL •NCC-9645 ***
CALADIA •NCC-9614	NOVA ARES •NCC-9629
CESTUS •NCC-9617	OREAS •NCC-9641
CHI-REE •NCC-9647 ***	PAKIL NOSA •NCC-9636
CHRISTOP •NCC-9608	PARADISE •NCC-9615
DALARIA •NCC-9616	POLAR •NCC-9607
DIRA •NCC-9635	SANDAPAM •NCC-9627
EKEOS •NCC-9632	SATHURA •NCC-9600
EKOSIS •NCC-9603	SHANAIAHR •NCC-9640
ERANAS •NCC-9638	SHIKAHR •NCC-9631
GHUTHA •NCC-9601	TAROLA'N •NCC-9612
HIGHPORT •NCC-9644 ***	TA'VISTAR •NCC-9634
HUYGENSTADT •NCC-9605	TORUS •NCC-9613
IVERSON •NCC-9610 *	TURKANA •NCC-9609
KIR •NCC-9602	TYCHO •NCC-9618
K'LAN •NCC-9620	UTOPIA PLANITIA •NCC-9637
KOLARIPAM •NCC-9622	VAJRIPAM •NCC-9606
KORAL •NCC-9628	VULCANA REGAR •NCC-9625
KYROA •NCC-9611	
LORTAN •NCC-9626	

*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

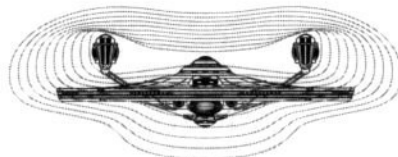
CRUISER

Tractor Beam Specifications

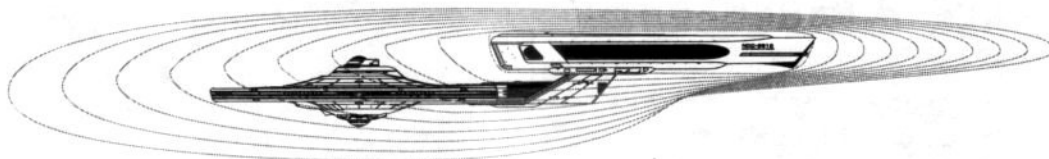
Primary Tractor Beam Load Calculator



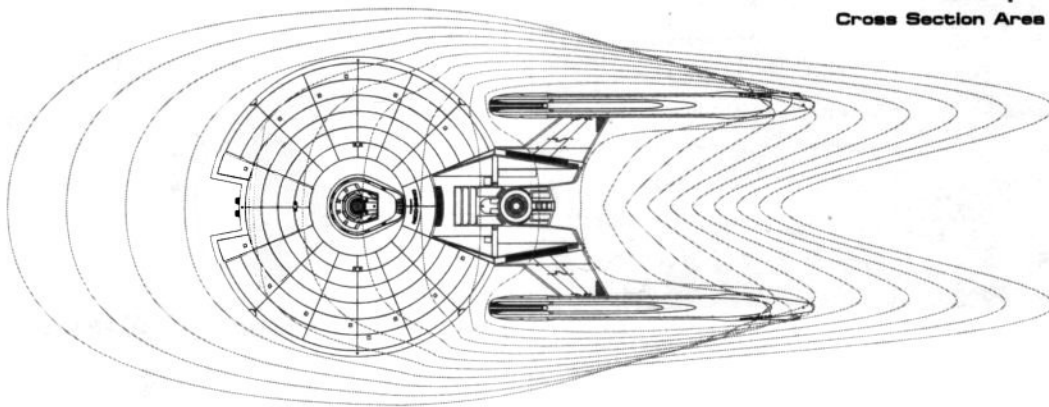
Field Length 798.16m
Field Width 186.53m
Field Height 71.73m



Front Warp Field Profile
Cross Section Area 10031.40 m²



Port Warp Field Profile
Cross Section Area 23987.57 m²



Top Warp Field Profile
Cross Section Area 67808.46 m²

DESTROYER



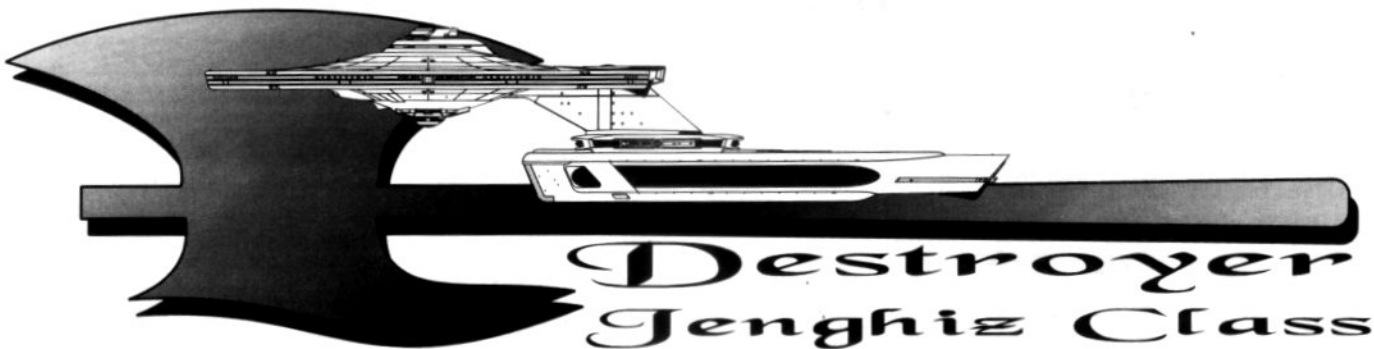
General Information

Specific Role: The Destroyer is a swift, powerful, cost effective starship used for patrols, surveillance and Federation defense. The primary mission of the destroyer is extended patrol duty along various treaty zones. During military operations the destroyer is used for assault missions and perimeter defense for the larger capital ships. The destroyer is also used to escort civilian ships through troubled regions. The vessel is equipped with extensive ECM equipment to help it survive. The vessel's small size makes it both swift and hard to target.

Physical Description: The destroyer's (PH147/D-M1) primary hull is reinforced and equipped with supplemental targeting sensors and a small hangar deck (located on the upper starboard side). Integrated into the standard deflector grid are additional electronic counter-measures to make the vessel more stealthy. The primary hull is also equipped with a (BS10/D-T1) tactical bridge which incorporates a larger weapons and tracking station. On the lower part of the primary hull is the (SM49/2J) main sensor array and (DN1/2-B) navigational dome. Located port, starboard and to the front, on both top and bottom of the primary hull are 6 (BP2/30-2C) phaser banks. To the rear of the primary hull are (IP186E/2-IR) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessels' warp fields are generated in a single (SW52/1-5RT) warp nacelle mounted underneath the secondary hull by a (DU/50-48Y) connecting dorsal. Inside the dorsal are the (M20/10-1C) intermix chamber and (AM8/18-2B) matter/antimatter storage tanks. The storage tanks are located on the rear of the connecting dorsal for emergency jettisoning. Sandwiched between the dorsal and the nacelle is a forward facing (PB2/25-10D) photon torpedo bay. In the event of an emergency the primary hull can separate from the warp nacelle section. Once separated the primary hull can maneuver on impulse power for extended periods of time.

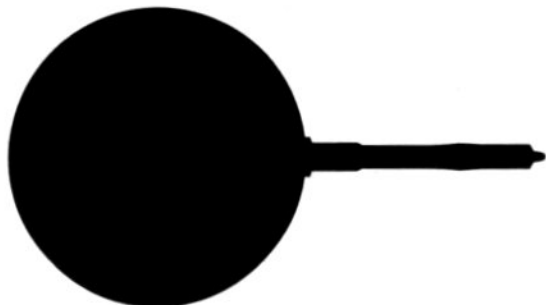
For additional detail refer to Datasheet MV-6

Class Emblem



Ship Silhouettes

Total Target Area 23852.66 m²
Average Target Area 7950.89 m²



Top Silhouette
Area 17019.27 m²



Port Silhouette
Area 4892.65 m²

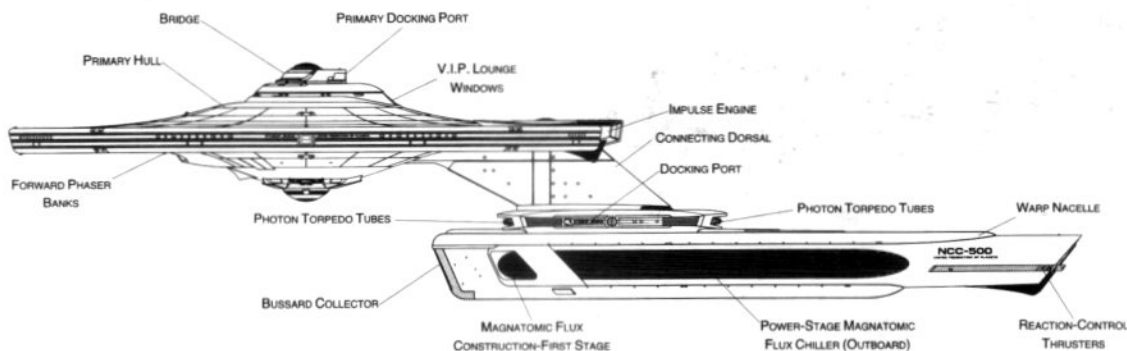


Front Silhouette
Area 1940.74 m²

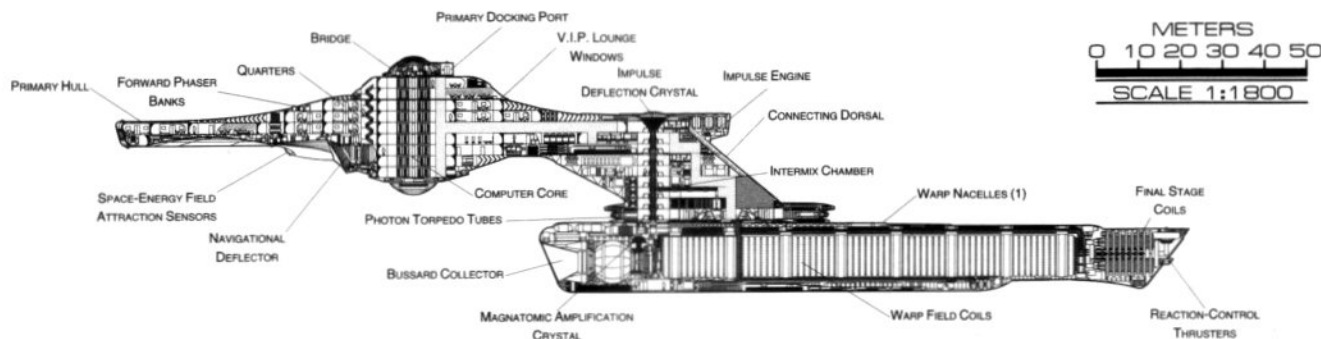


DESTROYER

JENGHIZ CLASS



PORT PROFILE



CROSS SECTION

Statistics

Classification: Destroyer

Category: Destroyer

Class: Jenghiz

Type: Class1

Model: MK-VIIIa

Naval Construction Contract: 500

Number Proposed: 92

Number Constructed: 56

Number in Service: 53

Number Lost: 3

Dimensions:

Overall Dimensions (Meters)

Length: 255.65 m

Width: 141.72 m

Height: 56.33 m

Primary Hull Dimensions (Meters)

Length: 146.31 m

Width: 141.72 m

Height: 32.94 m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 154.81 m

Width: 12.63 m

Height: 18.32 m

Displacement (Metric Tons)

Light: 107300 mt

Standard: 114960 mt

Full Load: 128332 mt

Performance:

Impulse Units: Dual Unit (IP1186E/2-IR)

Impulse Engine Output: 7.8×10^{13} W

Impulse Power Index: 1.72

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.116 sec.

0.25-0.50 Impulse: 0.175 sec.

0.50-0.75 Impulse: 0.233 sec.

0.75-Full Impulse: 0.291 sec.

Warp Units: 2 Nacelle Units (SW52/1-5RT)

Warp Engine Output: 6×10^{14} W

Warp Power Index: 0.86

Optimum Speed: 4

Max. Safe Cruising: 6

Emergency Speed: 8.01

Max. Speed: 9.11

Destructive Speed: 9.26

Acceleration Power: 3

Acceleration Times:

Warp 1 - Warp 2: 0.233 sec.

Warp 2 - Warp 3: 0.372 sec.

Warp 3 - Warp 4: 1.408 sec.

Warp 4 - Warp 5: 2.025 sec.

Warp 5 - Warp 6: 2.165 sec.

Warp 6 - Warp 7: 2.339 sec.

Warp 7 - Warp 8: 3.003 sec.

Warp 8 - Warp 9: 4.295 sec.

Warp 9 - Warp 9.5: 9.544 sec.

Warp 9.5 - Warp 9.75: 11.057 sec.

Warp 9.75 - Warp 9.9: 22.929 sec.

Duration (Years)

Standard: 4 Years

Maximum: 16 Years

Std. Ships Complement: 338

Officers: 56

Crew (Ensign Grade): 272

Troops: 10

Passengers: 30

Emergency condition: + 455

Medical Facilities:

Doctors: 3

Medical Staff: 7

Operating Rooms: 2

Beds: 16

Laboratories: 5

Transporters Total: 8

1 Person: 0

2 Person: 0

6 Person: 3

12 Person: 0

22 Person: 3

Small Cargo: 1

Medium Cargo: 1

Large Cargo: 0

Super Cargo: 0

Brigs: 12

Replicators: 9

Tractor Beams: 1

Tow Capacity: 1.5×10^6 mt

Max Range: 7.5×10^4 km

Cargo Specification:

Standard Cargo Units: 185

Cargo Capacity: 9250 mt

Shuttlecraft Specifications:

Docking Ports: 3

Shuttlecraft Bays Total: 1

Small Bay: 1

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 15

Work Bees: 1

Travel Pods: 1

Aquatic Shuttle: 1

Light Shuttle: 0

Standard Shuttle: 1

Heavy Shuttle: 1

Cargo Shuttle: 1

Assault Shuttle: 1

Killer Bees: 2

Light Fighter: 2

Fighter: 2

Heavy Fighter: 2

Lifeboats: 31

Turbolift (8 person): 14

Lifeboat (10 person): 12

Lifeboat (20 person): 5

Lifeboat (30 person): 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.31

Stellar Survey: 1.11

Short Range: 1.33

Long Range: 1.12

Navigation: 1.31

Special: 1.83

Computers: 2

Type: Daystrom Duotronic 1-III:f

Type: Daystrom Duotronic 1-II:r

ECM Index: 1.19

Shield Rating:

Shield Index: 1.82

Holdoff Power: 3.44×10^{12} W

Refresh Rate: 9.77×10^{11} W

Breakdown Rate: 1.17×10^{12} W

Shield Dimensions (Meters)

Length: 383.5 m

Width: 212.6 m

Height: 84.5 m

Weapons:

Phaser Power Index: 1.15

Photon Power Index: 2.06

Vessel Power Index: 1.60

Weapon Placement:

Beam (Phasers) Total: 6 banks 2 each

Output: 5×10^{11} W 2.5×10^{11} W

Range: 2.5×10^5 km

Rate of Fire: 30 ppm/Cont.

Forward Banks: 2

Rear Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: 2 Bays

Stock: 30

Range: 2×10^5 km

Output: 10-50 MT

Rate of Fire: 10 spm

Forward Bay: 1

Rear Bay: 0

Port Bay: 0

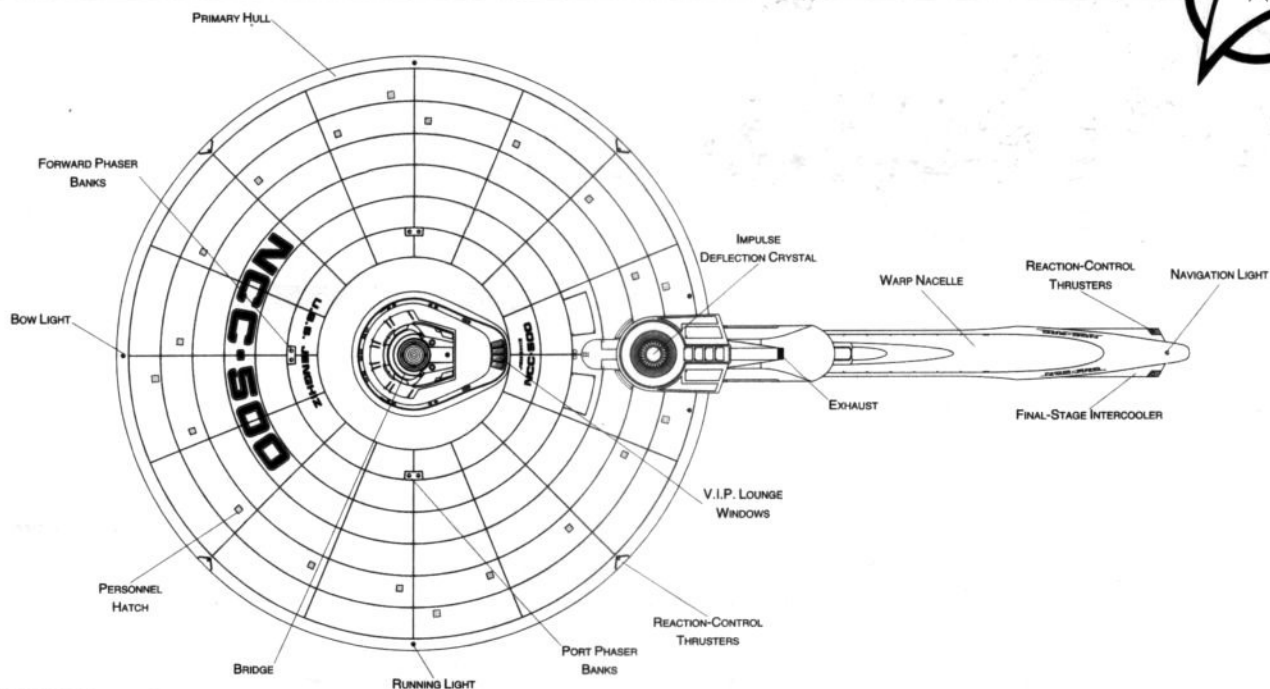
Starboard Bay: 0

Upper Bay: 0

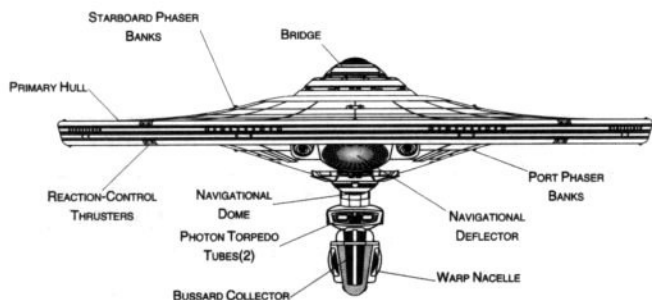
Lower Bay: 0

FEDERATION VESSEL

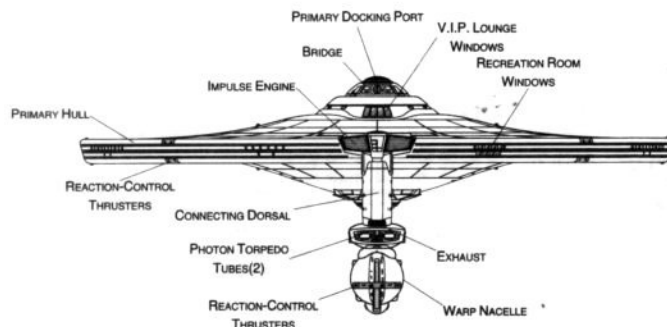
DESTROYER



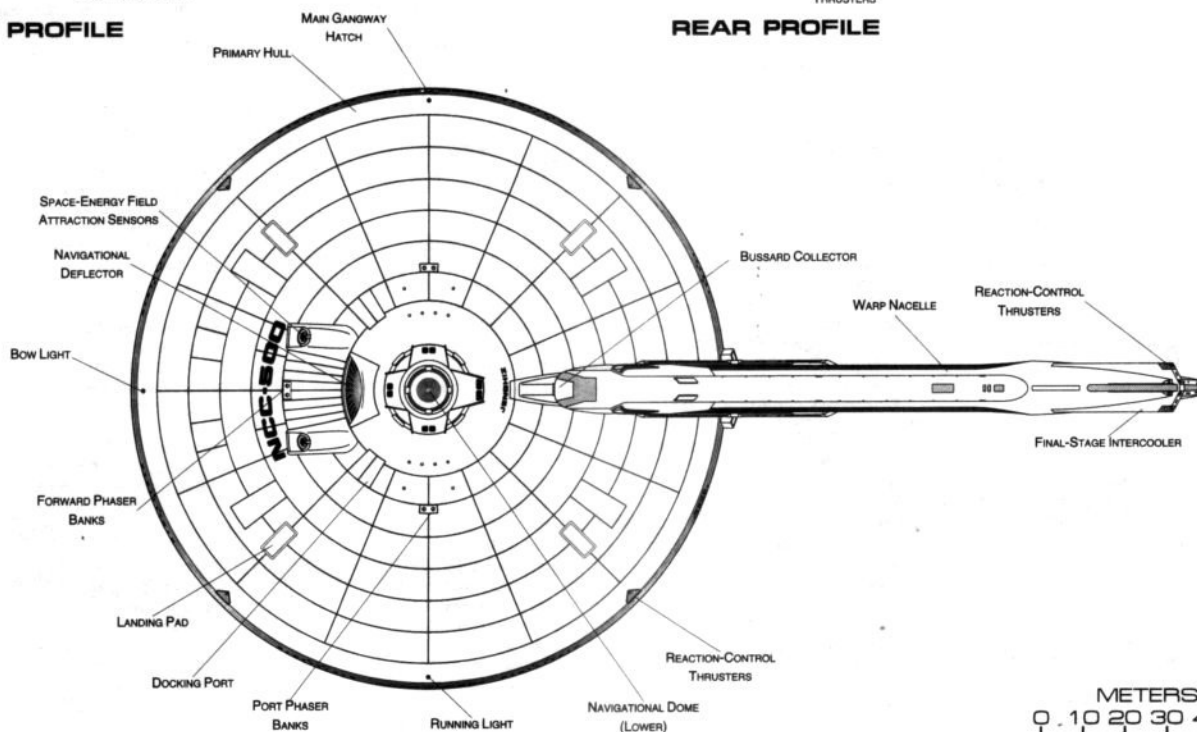
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40 50
SCALE 1:1800



Ship Names

THE FOLLOWING SHIPS OF THE MK-VIIIa CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2269.10

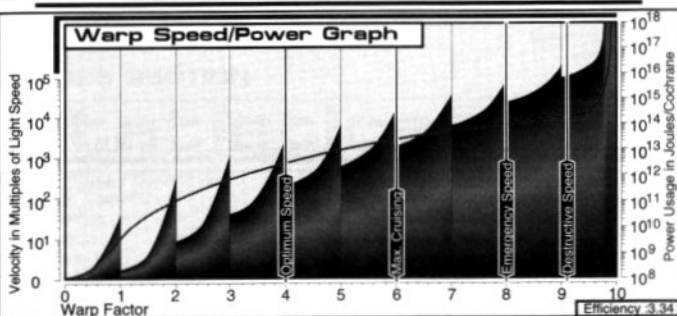
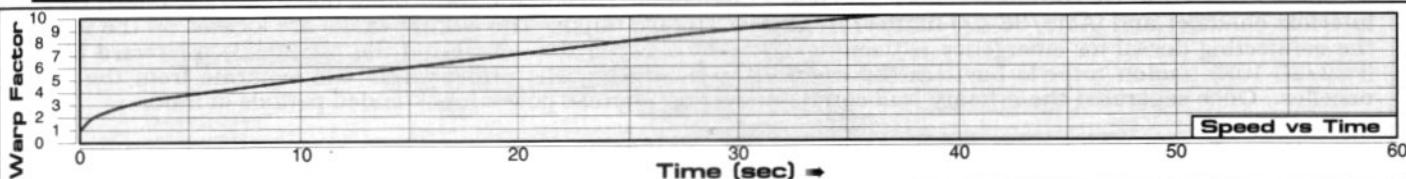
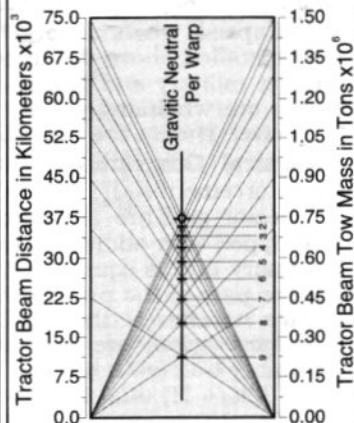
ACHILLES •NCC-551	DRAKE •NCC-541	LOKI •NCC-529	SALADIN •NCC-500
ADAD •NCC-515	DROTE •NCC-573***	LUCIFER •NCC-521	SAMSON •NCC-543**
ADU BEKR •NCC-549	EL CID •NCC-534	LYSANDER •NCC-540	SARGON •NCC-504
AHRIMAN •NCC-513	ESCH •NCC-583***	MANLY •NCC-567***	SCIPIO •NCC-553
AJAX •NCC-547	ETZEL •NCC-509	MARS •NCC-525	SHAITAN •NCC-519
AKBAR •NCC-548	FITZGERALD •NCC-585***	MARTEL •NCC-554	SIVA •NCC-520
AL MAHDI •NCC-545	GAUGHT •NCC-581***	MCWHIRTER •NCC-566***	STRONG •NCC-559***
ALARIC •NCC-503	GERANIMO •NCC-535	MOLOCK •NCC-522	SULEIMAN •NCC-508
ALEXANDER •NCC-511	GUANNADA •NCC-556	MORRISON •NCC-588***	TAMERLANE •NCC-510
ALLEYNE •NCC-557***	HAGGERTY •NCC-568***	MURREL •NCC-575***	THESEUS •NCC-552
ALVA •NCC-531**	HAMILCAR •NCC-518	NASPYPANY •NCC-591***	THOMASON •NCC-565***
ALVARADO •NCC-537	HANNIBAL •NCC-512	NEAL •NCC-592***	TIPPS •NCC-574***
APPOLLYN •NCC-542	HARLEY •NCC-561***	NELSON •NCC-546	TREHLOW •NCC-578***
ARES •NCC-524	HASHISHIYUN •NCC-516	NEY •NCC-533	TUCKER •NCC-577***
AZRAEL •NCC-517	HATHOR •NCC-523	NIETO •NCC-584***	TYR •NCC-526
BROOKINGS •NCC-562***	HEKTOR •NCC-539	NIXON •NCC-570***	WAYLANDER •NCC-580***
CIMON •NCC-555	HUMES •NCC-572***	ORR •NCC-590***	WILKES •NCC-560***
CLAXTON •NCC-571***	IBLIS •NCC-528	PACKARD •NCC-569***	XERXES •NCC-505
COCHISE •NCC-530	IVAN •NCC-550	PERSEUS •NCC-544	
COLEBAUGH •NCC-586***	JENGHIZ •NCC-501*	POMPEY •NCC-506**	
CORTEZ •NCC-536	JOYNER •NCC-564***	PONTIAC •NCC-532	
DANLEY •NCC-576***	JUGURTHA •NCC-527	QUIGLEY •NCC-563***	
DARIUS •NCC-502	KUBLAI •NCC-507	RAHMAN •NCC-514	
DE RUYTER •NCC-538	LANE •NCC-589***	ROBBINER •NCC-587***	
DIEKMAN •NCC-558***	LEBLANC •NCC-579***	RUSAK •NCC-582***	

*CLASS SHIP, **LOST IN THE LINE OF DUTY, ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

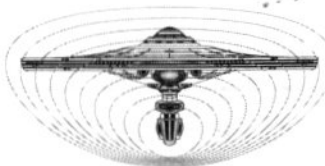
DESTROYER

Tractor Beam Specifications

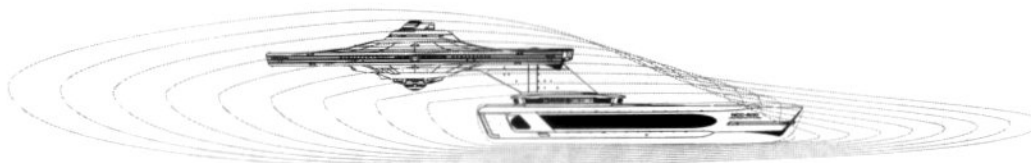
Primary Tractor Beam Load Calculator



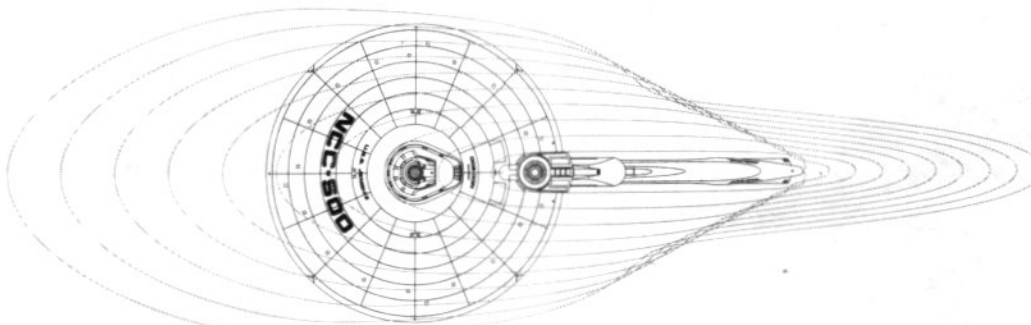
Field Length 492.44m
Field Width 156.08m
Field Height 76.22m



Front Warp Field Profile
Cross Section Area 9266.99 m²



Port Warp Field Profile
Cross Section Area 23719.10 m²



Top Warp Field Profile
Cross Section Area 47818.18 m²

SCOUT



General Information

Specific Role: The Scout is an fast, cost effective starship used for patrols, surveillance and Federation defense. The primary mission of the Scout, using surveillance equipment, is to perform extended reconnaissance patrols into critical areas ahead of Federation vessels. During normal operations the scout is used for both surveillance and picket duty around capital ships. The vessel's small size make it both swift and difficult to target.

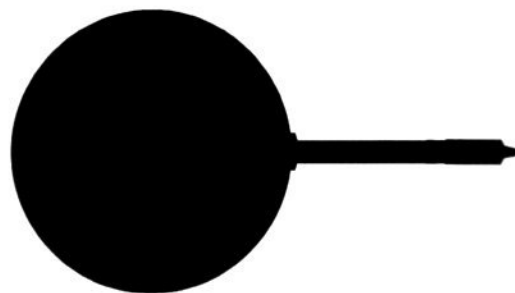
Physical Description: The (PH147/S-M2) primary hull is equipped with additional sensors, hull reinforcements and a small hangar deck (located on the upper starboard side). Integrated into the standard deflector grid are additional electronic counter-measures to make the vessel more stealthy. The primary hull is equipped with the (BS11/S-D1) bridge which incorporates the larger enhanced sensors and tracking station. On the lower part of the primary hull is the (SM49/4H) main sensor array and (DN1/9-1) navigational dome. Below the warp nacelles is the (SME352/2A) lower sensor array. Located port, starboard and to the front, on both top and bottom of the primary hull are 6 (BP2/30-2C) phaser banks. To the rear of the primary hull are (IP186E/2-SB) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated a single (SW52/1-5HI) warp nacelle mounted underneath the secondary hull by a (DU/50-48S) connecting dorsal. Inside the dorsal are the (M20/10-1E) intermix chamber and (AM8/18-2A) matter/antimatter storage tanks. The storage tanks are located on the rear of the connecting dorsal for emergency jettisoning. Nestled between the dorsal and the nacelle is a forward facing (PB2/25-10E) photon torpedo bay. In the event of an emergency the primary hull can separate from the warp nacelle section. Once separated the primary hull can maneuver on impulse power for extended periods of time.

Class Emblem



Ship Silhouettes

Total Target Area 27021.37 m²



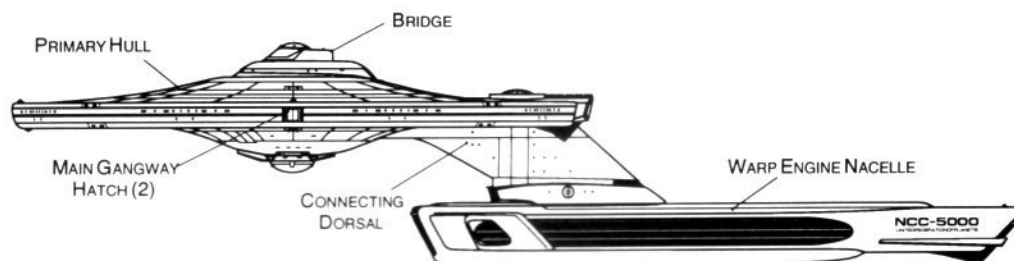
Top Silhouette
Area 18870.17 m²



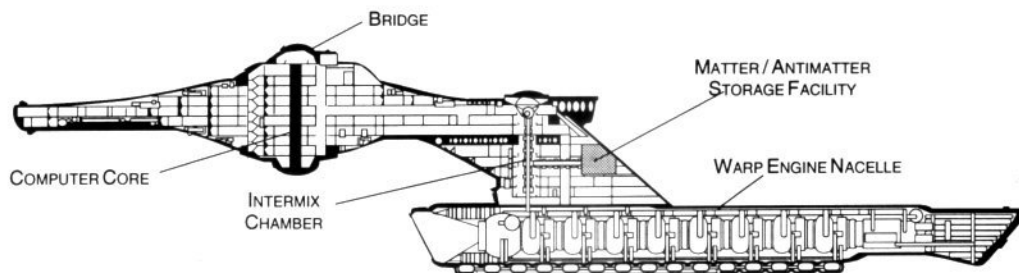
Port Silhouette
Area 5806.24 m²



Front Silhouette
Area 2344.96 m²



PORT PROFILE



METERS
0 10 20 30 40 50
SCALE 1:2000

CROSS SECTION

Statistics

Classification: Scout

Category: Scout

Class: Anderson

Type: Class 1

Model: MK-VII

Naval Construction Contract: 5000

Number Proposed: 98

Number Constructed: 98

Number in Service: 94

Number Lost: 4

Dimensions:

Overall Dimensions (Meters)

Length: 255.65m

Width: 141.72m

Height: 58.17m

Primary Hull Dimensions (Meters)

Length: 146.31m

Width: 141.72m

Height: 32.94m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 154.81m

Width: 12.63m

Height: 18.32m

Displacement (Metric Tons)

Light: 141,265mt

Standard: 151,350mt

Full Load: 168,955mt

Performance:

Impulse Units: Dual Unit (IRF35E/3-SB)

Impulse Engine Output: 7.8×10^{13} W

Impulse Power Index: 1.70

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.117 sec.

0.25-0.50 Impulse: 0.176 sec.

0.50-0.75 Impulse: 0.235 sec.

0.75-Full Impulse: 0.294 sec.

Warp Units: 2 Nacelle Units (SW52/1-5HI)

Warp Engine Output: 1.20×10^{15} W

Warp Power Index: 0.85

Optimum Speed: Warp 4

Max. Safe Cruising: Warp 6

Emergency Speed: Warp 8.01

Max. Speed: Warp 9.11

Destructive Speed: Warp 9.26

Acceleration Power: 3.0

Acceleration Times:

Warp 1 - Warp 2: 0.235 sec.

Warp 2 - Warp 3: 0.376 sec.

Warp 3 - Warp 4: 1.422 sec.

Warp 4 - Warp 5: 2.044 sec.

Warp 5 - Warp 6: 2.185 sec.

Warp 6 - Warp 7: 2.361 sec.

Warp 7 - Warp 8: 3.031 sec.

Warp 8 - Warp 9: 4.335 sec.

Warp 9 - Warp 9.5: 9.634 sec.

Warp 9.5 - Warp 9.75: 11.161 sec.

Warp 9.75 - Warp 9.9: 23.144 sec.

Duration (Years)

Standard: 6 Years

Maximum: 24 Years

Std. Ships Complement: 344

Officers: 57

Crew (Ensign Grade): 277

Troops: 10

Passengers: 29

Emergency condition: +461

Medical Facilities:

Doctors: 4

Nurses: 21

Operating Rooms: 3

Beds: 21

Laboratories: 20

Transporters Total: 9

1 Person: 0

2 Person: 0

6 Person: 3

12 Person: 0

22 Person: 3

Small Cargo: 2

Medium Cargo: 1

Large Cargo: 0

Super Cargo: 0

Brigs: 7

Replicators: 11

Tractor Beams: 1

Tow Capacity: 2.61×10^6 mt

Max Range: 7.43×10^4 km

Cargo Specification:

Standard Cargo Units: 191

Cargo Capacity: 9,500mt

Shuttlecraft Specifications:

Docking Ports: 3

Shuttlecraft Bays Total: 1

Small Bay: 1

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 15

Work Bees: 1

Travel Pods: 1

Aquatic Shuttle: 0

Light Shuttle: 1

Standard Shuttle: 3

Heavy Shuttle: 1

Cargo Shuttle: 1

Assault Shuttle: 1

Killer Bees: 2

Fighter: 2

Heavy Fighter: 2

Lifeboats: 38

Turbolift (8 person): 23

Lifeboat (10 person): 11

Lifeboat (20 person): 3

Lifeboat (30 person): 1

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.7144

Stellar Survey: 1.7570

Short Range: 1.2935

Long Range: 1.3526

Navigation: 0.9987

Special: 1.8196

Computers: 2

Type: Daystrom Duotronic III:y

Type: Daystrom Duotronic II:y

ECM Index: 1.37

Shield Rating:

Shield Index: 1.60

Holdoff Power: 3.04×10^{12} W

Refresh Rate: 8.64×10^{11} W

Breakdown Rate: 1.04×10^{12} W

Shield Dimensions (Meters)

Length: 322.93m

Width: 177.01m

Height: 73.48m

Weapons:

Phaser Power Index: 1.135

Photon Power Index: 2.04

Vessel Power Index: 1.59

Weapon Placement:

Beam (Phasers) Total: 6 banks 2 each

Output: 5.0×10^{11} W / 2.5×10^{11} W

Range: 2.5×10^5 km

Rate of Fire: 30 ppm / Cont.

Forward Banks: 2

Rear Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: 1 Bay 2 each

Stock: 30

Range: 2.0×10^5 km

Output: 10-50 Megatons

Rate of Fire: 10 spm

Forward Bay: 1

Rear Bay: 0

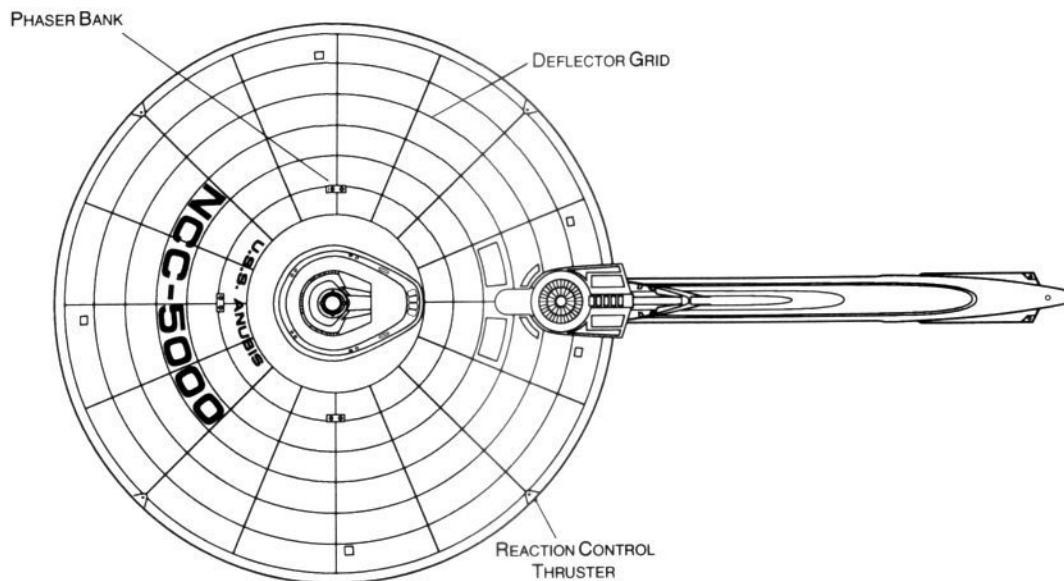
Port Bay: 0

Starboard Bay: 0

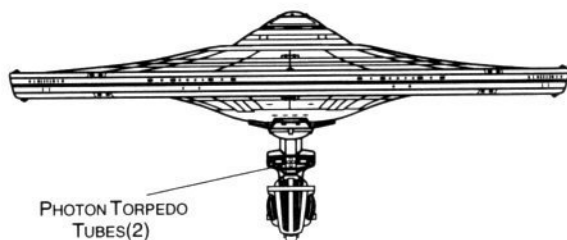
Upper Bay: 0

Lower Bay: 0

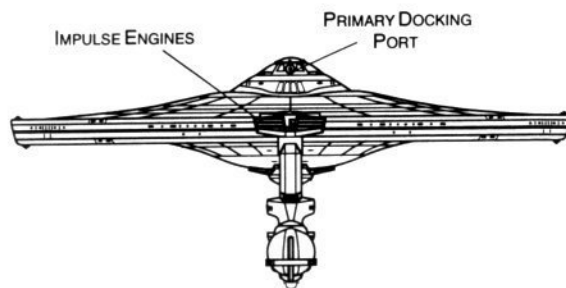
SCOUT



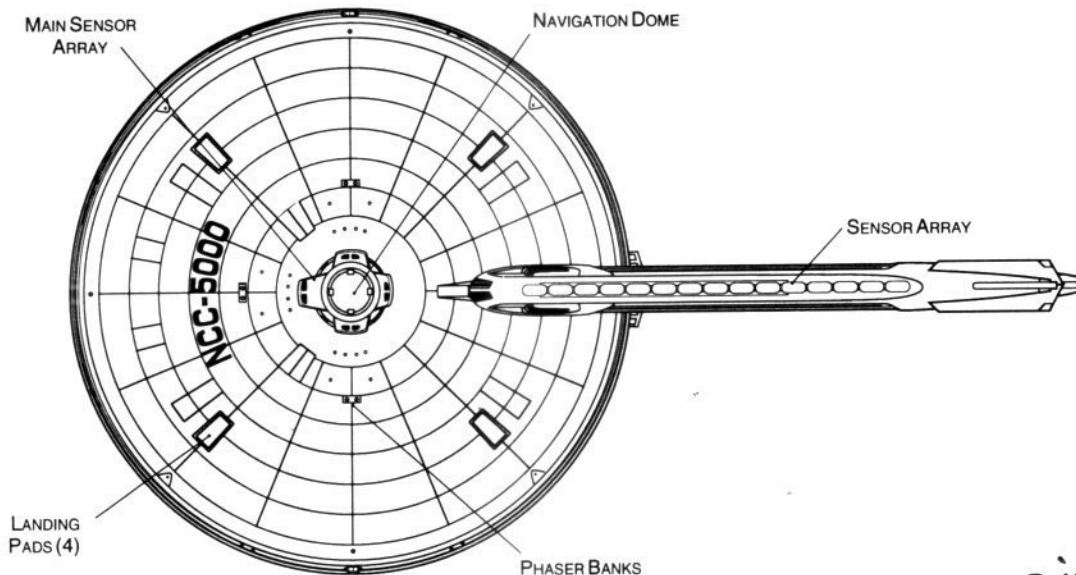
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE





Ship Names

THE FOLLOWING SHIPS OF THE MK-XXX CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2269.3

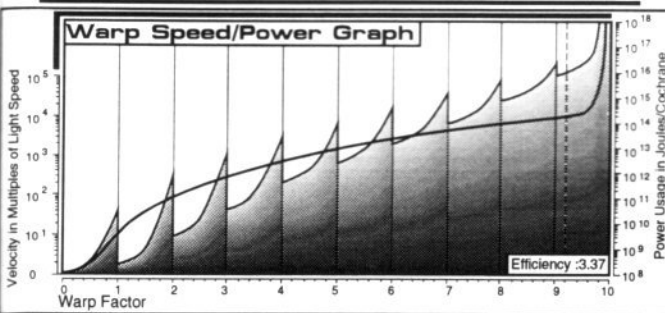
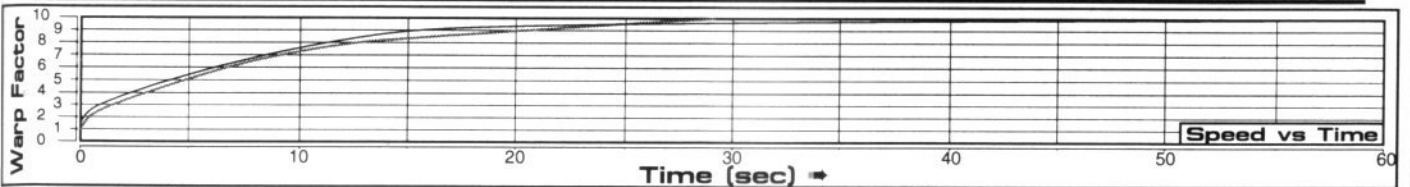
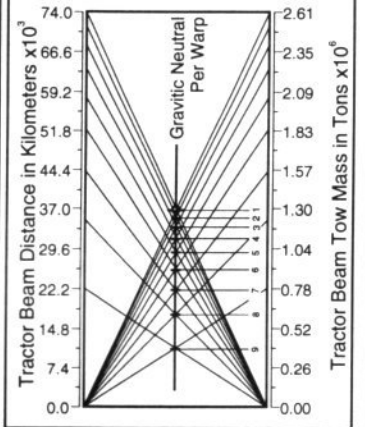
AEOLUS •NCC-5002**	CYGNUS •NCC-5031	KILPATRICK •NCC-5065	QUINTILLUS •NCC-5004
ANUBUS •NCC-5000*	DABILLA •NCC-5069	LAGRONE •NCC-5081	RAMOS •NCC-5074
APPEL •NCC-5053	DEBNAM •NCC-5063	LEO •NCC-5021	REDWINE •NCC-5045
APUS •NCC-5032	DIANA •NCC-5003	LEO MINOR •NCC-5028	REVERE •NCC-5009
AQUILA •NCC-5037	DOWNING •NCC-5058	LEPUS •NCC-5024	RIEGER •NCC-5040
ARIES •NCC-5016	DYKES •NCC-5051	LEVERETT •NCC-5084	ROLLINS •NCC-5050
AVERITT •NCC-5060	ECKEL •NCC-5042	LOHMANN •NCC-5088**	SACAJAWEA •NCC-5012
BAGGETT •NCC-5066	EQUULUS •NCC-5017	LUPUS •NCC-5018	SARTAIN •NCC-5068
BATIDOR •NCC-5007	ESCALON •NCC-5049	LYNX •NCC-5022	SELBY •NCC-5067**
BORSCH •NCC-5073	EVERITT •NCC-5071	MARR •NCC-5086	SNEED •NCC-5047
BOWIE •NCC-5011	FABILA •NCC-5078	MASERANG •NCC-5082	SPAKER •NCC-5010
BRIDGER •NCC-5005	FIEST •NCC-5083	MAXHEIMER •NCC-5075	TAULBEE •NCC-5061
BURTON •NCC-5080	FORBES •NCC-5089	MEURER •NCC-5077	TAURUS •NCC-5019
CAMELOPARDUS •NCC-5020	GILLMORE •NCC-5095	MONOCEROS •NCC-5015	THATCHER •NCC-5043
CANIS MAJOR •NCC-5025	GRADEL •NCC-5093	NAUSELY •NCC-5079	TIMMS •NCC-5052
CANIS MINOR •NCC-5029	GRUS •NCC-5038	NORTHUTT •NCC-5064	TONTI •NCC-5013
CARSON •NCC-5006	HAIGHT •NCC-5087	ODELL •NCC-5041	TRICE •NCC-5057
CARSTEN •NCC-5085	HAMILTON •NCC-5092	OLIVAS •NCC-5044	TUCANA •NCC-5033
CLAUENCH •NCC-5091	HERMES •NCC-5001	PACE •NCC-5036	UPSHAW •NCC-5056
CODY •NCC-5008	HUSEMANN •NCC-5094	PARMELEY •NCC-5054**	URSA MAJOR •NCC-5023
COLUMBIA •NCC-5035	ICKES •NCC-5096	PAVO •NCC-5036	URSA MINOR •NCC-5030
CONRAD •NCC-5097	ISHAM •NCC-5090	PEGASUS •NCC-5026	VANN •NCC-5072
CORVUS •NCC-5034	JAEKEL •NCC-5046	PENoyer •NCC-5059	VULPECULA •NCC-5027
CROCKETT •NCC-5014	JURIK •NCC-5055	PHOENIX •NCC-5039	
CURRY •NCC-5076	KEEFER •NCC-5062	QUIJADA •NCC-5070	

CLASS SHIP. "LOST IN THE LINE OF DUTY. "PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

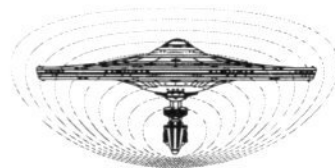
SCOUT

Tractor Beam Specifications

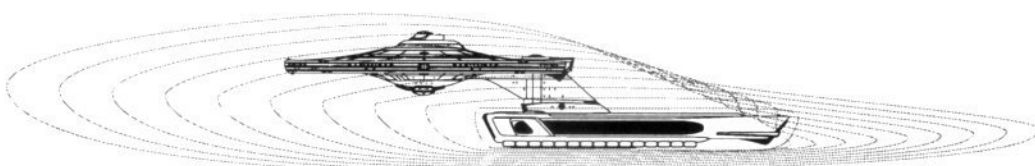
Primary Tractor Beam Load Calculator



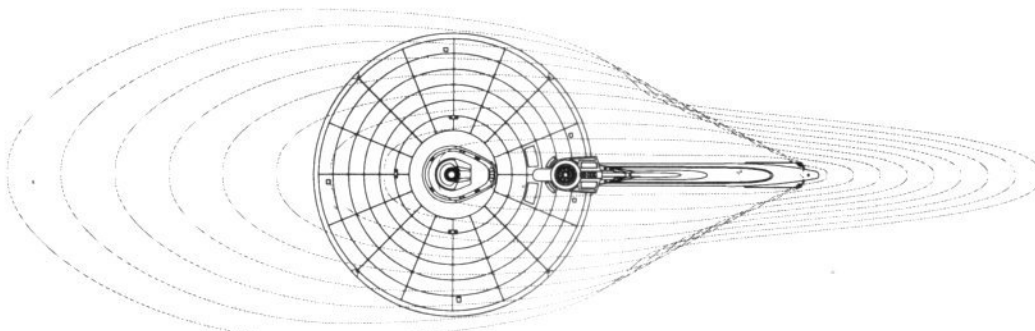
Field Length 548.28m
Field Width 173.44m
Field Height 71.15m



Front Warp Field Profile
Cross Section Area 11500.6 m²



Port Warp Field Profile
Cross Section Area 29343.40 m²



Top Warp Field Profile
Cross Section Area 58359.92 m²

WARP FIELDS

STAR CRUISER

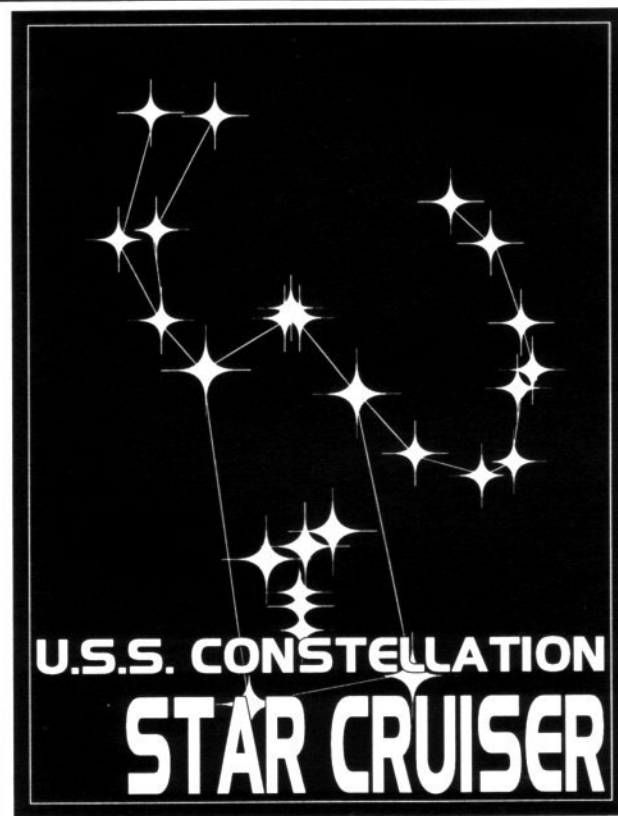


General Information

Specific Role: The Star Cruiser is a long range exploration research vessel. This vessel is equipped with six multipurpose research bays that allow various experiments and sensors to be exposed to space. The Star Cruiser is able to maintain sustained warp speeds for extended periods of time through the use of four warp nacelles which phase-shift through alternating pairs to reduce the stress to any one engine. The additional engines and redundant equipment allow the cruiser to explore areas away from Federation space where assistance may not be immediately available.

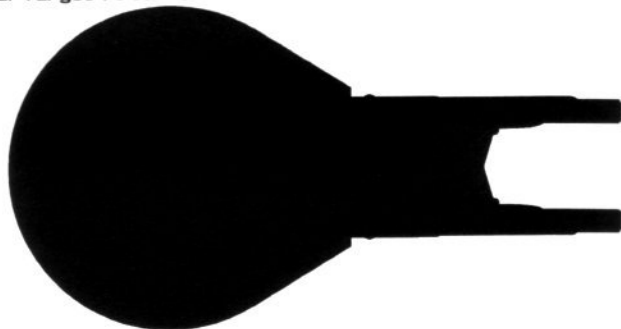
Physical Description: The Star Cruiser's extra-thick (XTPH147/F-M1) hull uses elements from standard primary hull designs and is equipped with additional research systems and laboratories. Integrated into the standard deflector grid are additional electronic counter-measures to make the vessel more stealthy. The hull is equipped with the (BS11/S-D3) bridge which incorporates the enhanced sensor and scientific stations. On the lower part of the primary hull is the (SM54/9K) main sensor array and (DN6/1-V) navigational dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. To the front of the primary hull both port and starboard are two (HP2/22-2G) heavy phaser banks. Incorporated into the nacelle support pylons are forward and rear firing (PB1-1/50-10E) photon torpedo tubes. On the lower forward section of the primary hull are (DN6/A-9) navigational deflectors which assist the navigational shields in deflecting oncoming debris. To the front of the primary hull is a medium hangar deck. Around the primary hull are six multipurpose research bays. To the rear of the hull are two (IRF35E/5-TR) dual impulse units which are used for auxiliary power and sub-warp propulsion. The cruiser's warp fields are generated by four (SW52/1-5RT) warp nacelles attached in pairs. Each set is attached to the primary hull by (DU/40-30T) support pylons. Inside the pylons is the (M18/12-2E) intermix chamber. To the rear of the hull are the (AM8/58-7S) matter/antimatter storage tanks which allow for emergency jettisoning. In the event of an emergency the primary hull can separate from one or more of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area 49316.04 m²



Top Silhouette
Area 32031.56 m²



Port Silhouette
Area 11707.72 m²



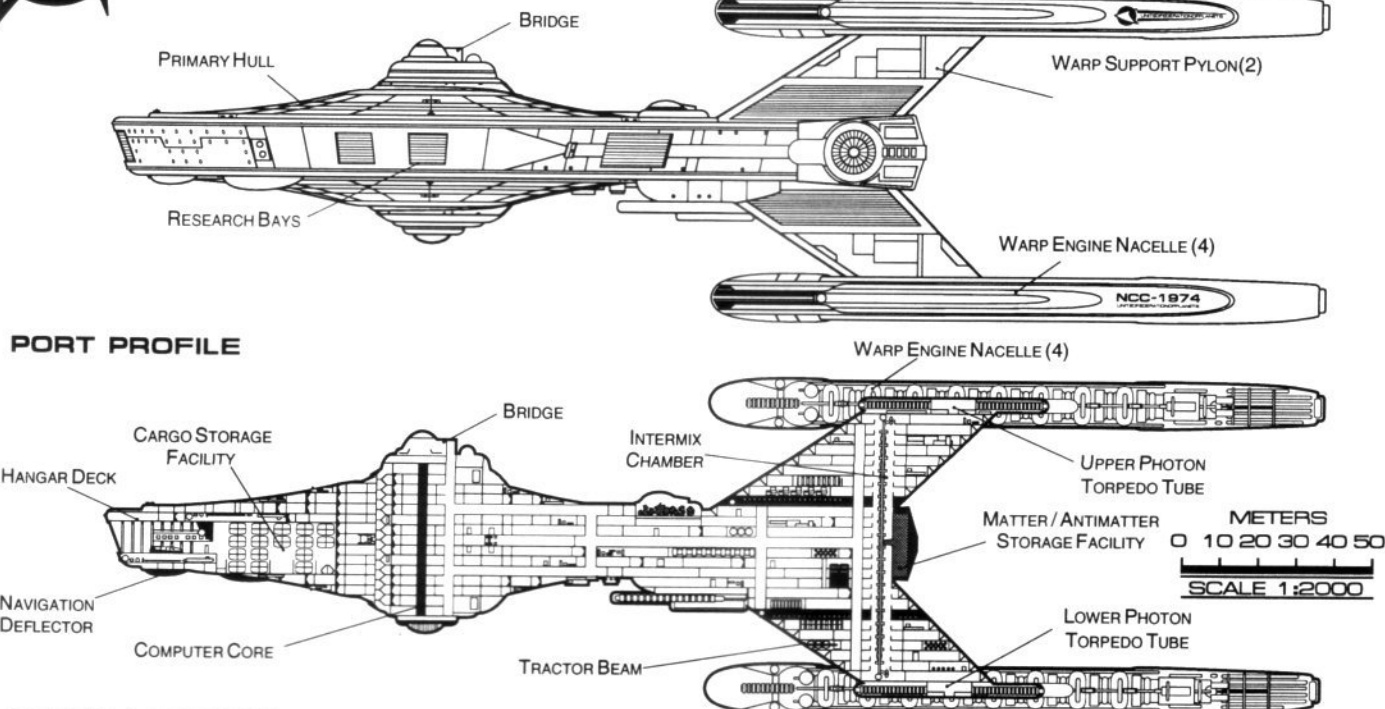
Front Silhouette
Area 5576.76 m²



STAR CRUISER

CONSTELLATION CLASS

FEDERATION VESSEL



PORT PROFILE

CROSS SECTION

Statistics

Classification: Star Cruiser

Category: Research Vessel

Class: Constellation

Type: Class 1

Model: MK-XXVI

Naval Construction Contract: 1974

Number Proposed: 9

Number Constructed: 9

Number in Service: 7

Number Lost: 2

Dimensions:

Overall Dimensions (Meters)

Length: 305.97m

Width: 161.89m

Height: 84.50m

Primary Hull Dimensions (Meters)

Length: 205.18m

Width: 161.88m

Height: 50.91m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 155.59m

Width: 12.63m

Height: 18.32m

Displacement (Metric Tons)

Light: 332,449mt

Standard: 356,182mt

Full Load: 397,613mt

Performance:

Impulse Units: 2 Dual Unit (IRF35E/5-TR)

Impulse Engine Output: 1.6×10^{14} W

Impulse Power Index: 1.034

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.180 sec.

0.25-0.50 Impulse: 0.270 sec.

0.50-0.75 Impulse: 0.361 sec.

0.75-Full Impulse: 0.451 sec.

Warp Units: 4 Nacelle Units (SW54/1-5UI)

Warp Engine Output: 2.4×10^{15} W

Warp Power Index: 1.11

Optimum Speed: Warp 6

Max. Safe Cruising: Warp 8.1

Emergency Speed: Warp 9

Max. Speed: Warp 9.25

Destructive Speed: Warp 9.35

Acceleration Power: 3.0

Acceleration Times:

Warp 1 - Warp 2: 0.180 sec.

Warp 2 - Warp 3: 0.288 sec.

Warp 3 - Warp 4: 1.091 sec.

Warp 4 - Warp 5: 1.569 sec.

Warp 5 - Warp 6: 1.677 sec.

Warp 6 - Warp 7: 1.812 sec.

Warp 7 - Warp 8: 2.326 sec.

Warp 8 - Warp 9: 3.327 sec.

Warp 9 - Warp 9.5: 7.393 sec.

Warp 9.5 - Warp 9.75: 8.565 sec.

Warp 9.75 - Warp 9.9: 17.760 sec.

Duration (Years)

Standard: 7 Years

Maximum: 28 Years

Std. Ships Complement: 532

Officers: 85

Crew (Ensign Grade): 416

Troops: 31

Passengers: 90

Emergency condition: +500

Medical Facilities:

Doctors: 5

Nurses: 26

Operating Rooms: 4

Beds: 26

Laboratories: 23

Transporters Total: 12

1 Person: 0

2 Person: 0

6 Person: 4

12 Person: 0

22 Person: 4

Small Cargo: 2

Medium Cargo: 2

Large Cargo: 0

Super Cargo: 0

Brigs: 22

Replicators: 27

Tractor Beams: 1

Tow Capacity: 3.88×10^6 mt

Max Range: 1.94×10^5 km

Cargo Specification:

Standard Cargo Units: 558

Cargo Capacity: 27,900mt

Shuttlecraft Specifications:

Docking Ports: 3

Shuttlecraft Bays Total: 1

Small Bay: 0

Medium Bay: 1

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 31

Work Bees: 2

Travel Pods: 1

Aquatic Shuttle: 3

Light Shuttle: 3

Standard Shuttle: 10

Survey Shuttle: 10

Heavy Shuttle: 0

Cargo Shuttle: 1

Assault Shuttle: 0

Killer Bees: 0

Fighter: 3

Lifeboats: 35

Turbolift (8 person): 24

Lifeboat (10 person): 7

Lifeboat (20 person): 3

Lifeboat (30 person): 1

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.5679

Stellar Survey: 1.5909

Short Range: 1.3065

Long Range: 1.3256

Navigation: 1.1040

Special: 1.7811

Computers: 2

Type: Daystrom Duotronic IVa

Type: Daystrom Duotronic IIIa

ECM Index: 1.25

Shield Rating:

Shield Index: 0.62

Holdoff Power: 3.60×10^{12} W

Refresh Rate: 1.02×10^{12} W

Breakdown Rate: 1.23×10^{12} W

Shield Dimensions (Meters)

Length: 386.50m

Width: 204.49m

Height: 106.74m

Weapons:

Phaser Power Index: 1.43

Photon Power Index: 1.02

Vessel Power Index: 1.23

Weapon Placement:

Beam (Phasers) Total: 6 banks 2 each

Output: 5.0×10^{11} W / 2.5×10^{11} W

Range: 2.5×10^5 km

Rate of Fire: 30 ppm / Cont.

Forward Banks: 2

Rear Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 1

Beam (HvyPhasers) Total: 2 banks 2 each

Output: 1.3×10^{12} W / 6.5×10^{11} W

Range: 8.9×10^5 km

Rate of Fire: 10 ppm / Cont.

Forward/Rear Banks: 0

Port/Starboard Banks: 2

Upper/Lower Banks: 0

Torpedoes (Photon) Total: 2 Bay 2 each

Stock: 80

Range: 2.0×10^5 km

Output: 10-50 Megatons

Rate of Fire: 10 spm

Forward Bay: 2

Rear Bay: 2

Port Bay: 0

Starboard Bay: 0

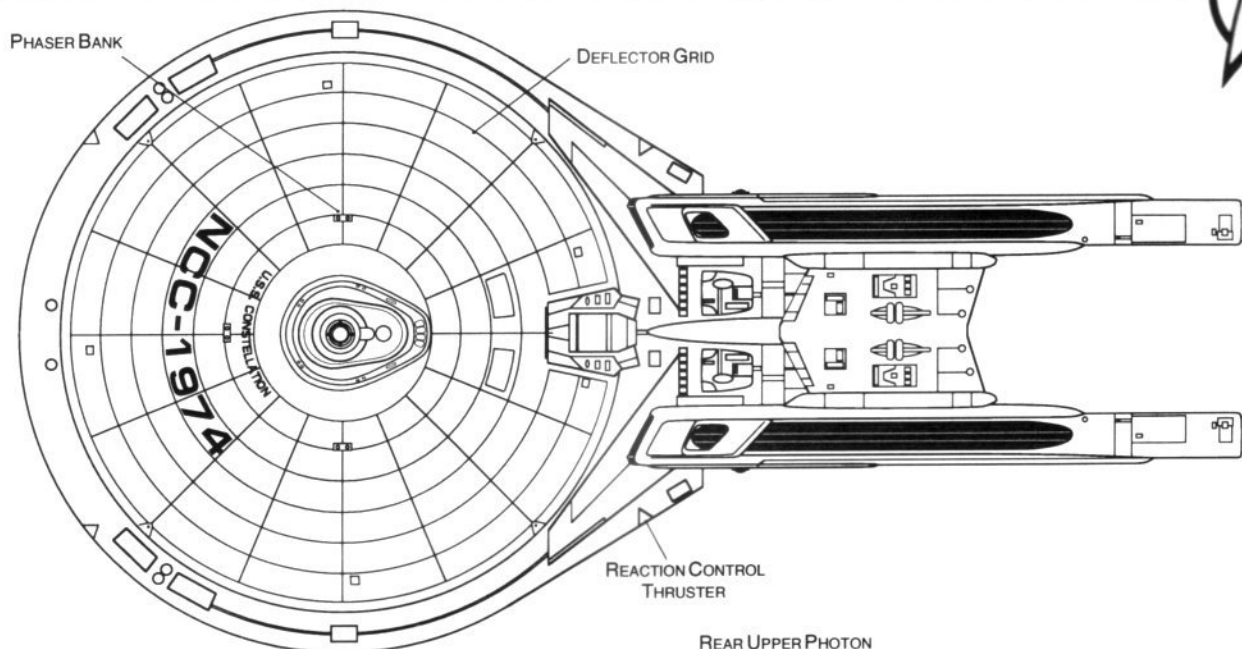
Upper Bay: 0

Lower Bay: 0

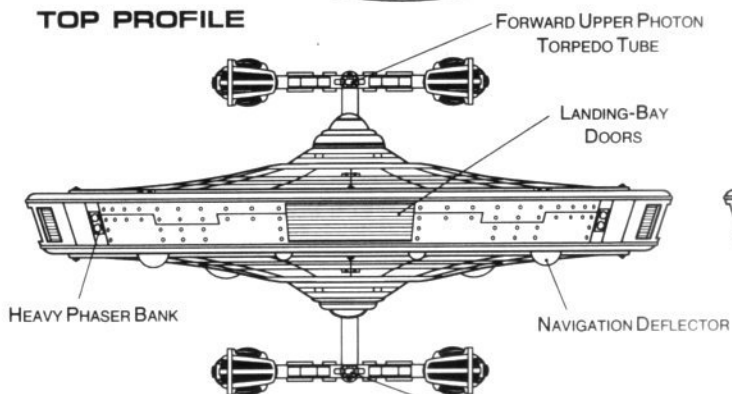
STAR CRUISER



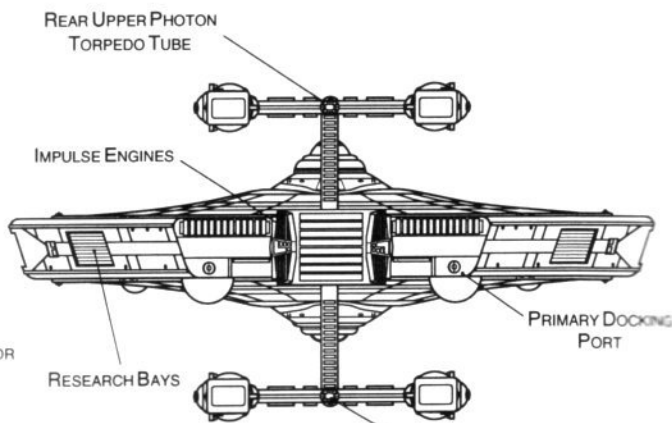
CONSTELLATION CLASS



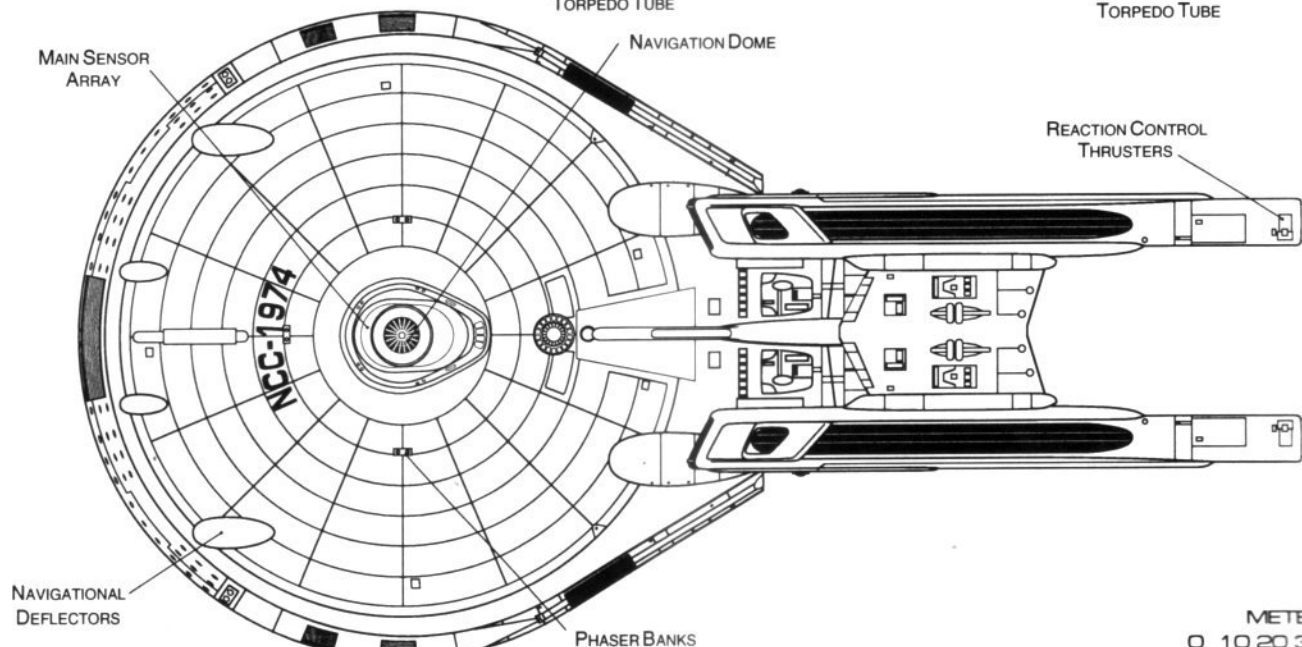
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40 50
SCALE 1:2000

FEDERATION VESSEL



STAR CRUISER

Ship Names

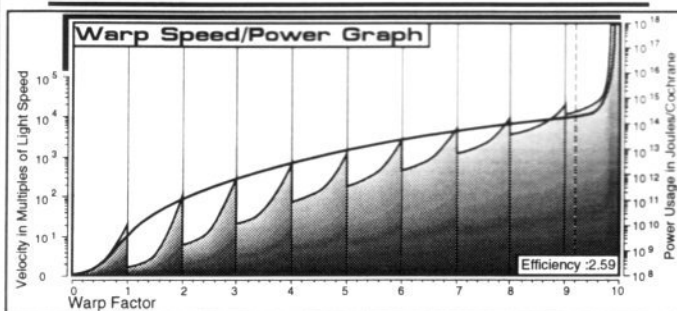
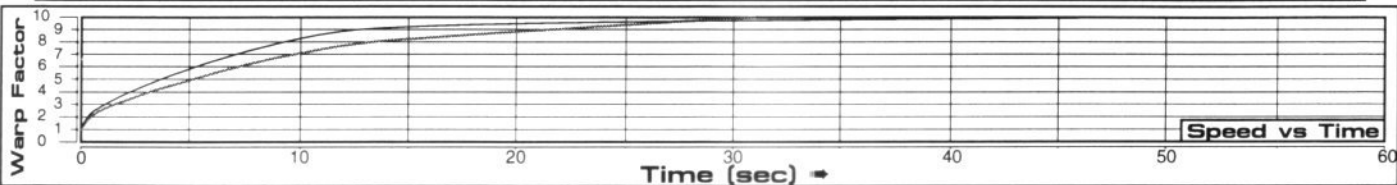
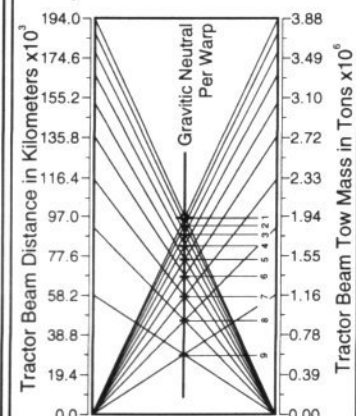
THE FOLLOWING SHIPS OF THE MK-XXVI CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2285.1

CONSTELLATION •NCC-1974*
GETTYSBURG •NCC-38902
HATHAWAY •NCC-2593
LIENTORARY •NCC-5371
NEBULARY •NCC-1442
ODAY •NCC-26850
STARGAZER •NCC-2893**
STARQUEST •NCC-2894**
VICTORY •NCC-9754

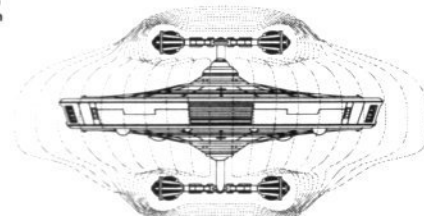
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

Tractor Beam Specifications

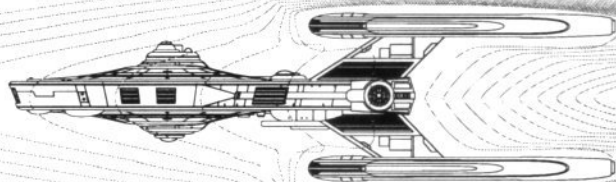
Primary Tractor Beam Load Calculator



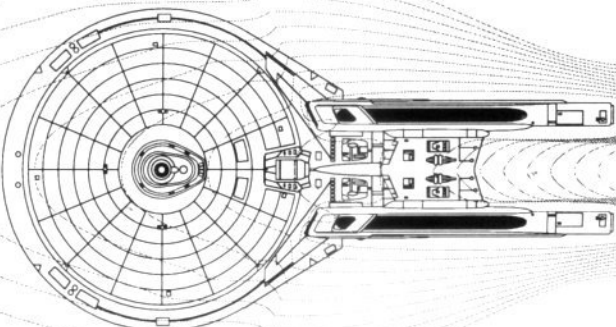
Field Length 737.74m
Field Width 220.46m
Field Height 117.49m



Front Warp Field Profile
Cross Section Area 17949.52 m²



Port Warp Field Profile
Cross Section Area 58473.36 m²



Top Warp Field Profile
Cross Section Area 105548.56 m²

WARP FIELDS

HEAVY FRIGATE



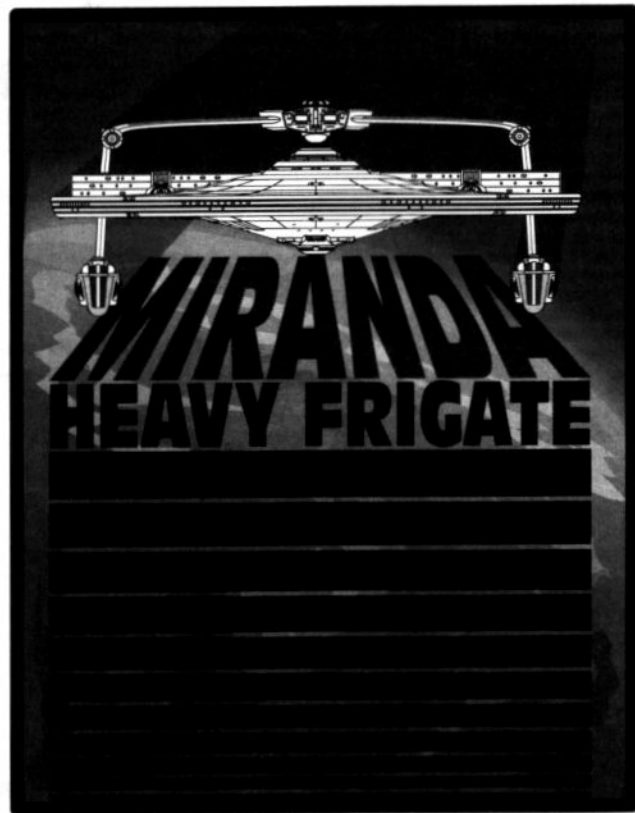
General Information

Specific Role: After much success with the standard Frigate design, Starfleet decided to create a heavier version with increased effectiveness. The Heavy Frigate has a stretched, extended primary hull to make space for dual hangar decks to support and maintain two wings of fighter craft. As with the standard Frigate, the Heavy Frigate has two MegaPhasers located above the engines. The most noticeable modification of the design is the addition of a roll bar used to support the photon torpedo weapons pod. The photon torpedo pod gives the vessel both forward and rear attack angles.

Physical Description: The Frigate incorporates an (PHE147/F-M1) extended primary hull equipped with heavy weapons, shielding, and ECM/ECCM devices; as well as a (BS10/F-T1) bridge which contains a larger weapons station. Mounted on the underside of the primary hull is the integrated (SM49/6J) main sensor array and (DN4/1-G) navigation dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. Port and starboard on the upper primary hull forward of the raised extension, are (DN2/J-4.2) navigational deflector/space-energy field attraction sensors used to assist the navigational shields in deflecting oncoming debris and monitor space-energy fields. Mounted on the rear of the primary hull are (IP186E/5-IR) dual impulse units which are used for auxiliary power and sub-light propulsion. Two medium hangar decks are installed, one on either side of the impulse engines, in the rear of the primary hull. The vessels' warp fields are generated by two (SW52/1-5RO) warp nacelles attached to the primary hull by (DU/25-6F) support pylons. Within the primary hull is the (M30/4-2Z) intermix chamber and (AM8/36-4T) matter/antimatter storage tanks. The matter/antimatter storage tanks are situated on the bottom of the hull just below the impulse engines for emergency jettisoning. Above the primary hull extension mounted port and starboard are two (MP2/15-2G) MegaPhasers. Above the primary hull and supported by the (DU/52-12W) roll bar is a (PB4/50-10E) photon torpedo pod. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power

For additional detail refer to Datasheet MV-19

Class Emblem



Ship Silhouettes

Total Target Area 33439.32 m²
Average Target Area 11146.44 m²



Top Silhouette
Area 21944.55 m²



Port Silhouette
Area 6008345 m²

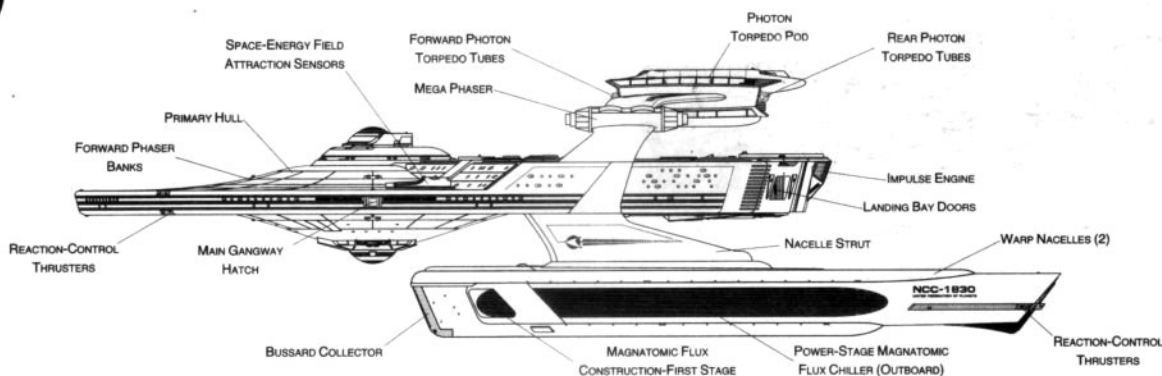


Front Silhouette
Area 5486.32 m²

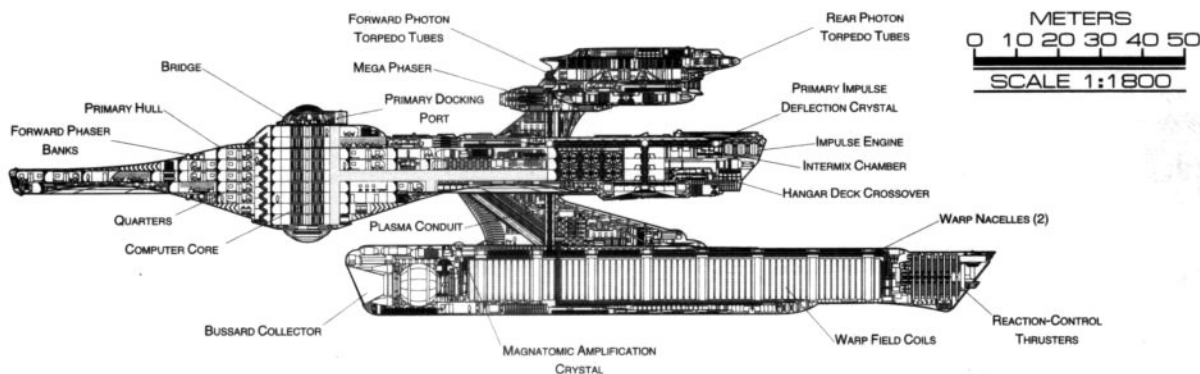


HEAVY FRIGATE

MIRANDA CLASS



PORT PROFILE



CROSS SECTION

Statistics

Classification: Heavy Frigate

Category: Frigate

Class: Miranda

Type: Class1

Model: MK-XIVa

Naval Construction Contract: 1830

Number Proposed: 60

Number Constructed: 29

Number in Service: 29

Number Lost: 0

Dimensions:

Overall Dimensions (Meters)

Length: 234.74 m

Width: 141.72 m

Height: 63.64 m

Primary Hull Dimensions (Meters)

Length: 180.04 m

Width: 141.72 m

Height: 32.94 m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 154.81 m

Width: 12.63 m

Height: 18.32 m

Displacement (Metric Tons)

Light: 231678 mt

Standard: 248217 mt

Full Load: 277089 mt

Performance:

Impulse Units: Dual Unit (IP186E/5-IR)

Impulse Engine Output: 7.8×10^{13} W

Impulse Power Index: 0.80

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.251 sec.

0.25-0.50 Impulse: 0.377 sec.

0.50-0.75 Impulse: 0.503 sec.

0.75-Full Impulse: 0.628 sec.

Warp Units: 2 Nacelle Units (SW52/1-5RC)

Warp Engine Output: 1.2×10^{15} W

Warp Power Index: 0.80

Optimum Speed: 4

Max. Safe Cruising: 6.2

Emergency Speed: 8.4

Max. Speed: 9.2

Destructive Speed: 9.3

Acceleration Power: 3

Acceleration Times:

Warp 1 - Warp 2: 0.251 sec.

Warp 2 - Warp 3: 0.402 sec.

Warp 3 - Warp 4: 1.52 sec.

Warp 4 - Warp 5: 2.186 sec.

Warp 5 - Warp 6: 2.337 sec.

Warp 6 - Warp 7: 2.526 sec.

Warp 7 - Warp 8: 3.242 sec.

Warp 8 - Warp 9: 4.637 sec.

Warp 9 - Warp 9.5: 10.303 sec.

Warp 9.5 - Warp 9.75: 11.937 sec.

Warp 9.75 - Warp 9.9: 24.753 sec.

Duration (Years)

Standard: 4 Years

Maximum: 16 Years

Std. Ships Complement: 448

Officers: 68

Crew (Ensign Grade): 330

Troops: 50

Passengers: 35

Emergency condition: + 550

Medical Facilities:

Doctors: 4

Medical Staff: 9

Operating Rooms: 3

Beds: 21

Laboratories: 8

Transporters Total: 12

1 Person: 0

2 Person: 0

6 Person: 4

12 Person: 0

22 Person: 4

Small Cargo: 2

Medium Cargo: 2

Large Cargo: 0

Super Cargo: 0

Brigs: 28

Replicators: 19

Tractor Beams: 1

Tow Capacity: 3.01×10^6 mt

Max Range: 9.4×10^4 km

Cargo Specification:

Standard Cargo Units: 410

Cargo Capacity: 20500 mt

Shuttlecraft Specifications:

Docking Ports: 5

Shuttlecraft Bays Total: 2

Small Bay: 0

Medium Bay: 2

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 73

Work Bees: 4

Travel Pods: 5

Aquatic Shuttle: 2

Light Shuttle: 2

Standard Shuttle: 2

Heavy Shuttle: 2

Cargo Shuttle: 2

Assault Shuttle: 18

Killer Bees: 8

Light Fighter: 10

Fighter: 10

Heavy Fighter: 8

Lifeboats: 51

Turbolift (8 person): 31

Lifeboat (10 person): 14

Lifeboat (20 person): 6

Lifeboat (30 person): 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.16

Stellar Survey: 0.96

Short Range: 1.36

Long Range: 1.13

Navigation: 1.36

Special: 1.93

Computers: 2

Type: Daystrom Duotronic 1-III;g

Type: Daystrom Duotronic 1-II;x

ECM Index: 1.21

Shield Rating:

Shield Index: 0.39

Holdoff Power: 1.59×10^{12} W

Refresh Rate: 4.53×10^{11} W

Breakdown Rate: 5.43×10^{11} W

Shield Dimensions (Meters)

Length: 352.1 m

Width: 212.6 m

Height: 95.5 m

Weapons:

Phaser Power Index: 0.99

Photon Power Index: 3.18

Vessel Power Index: 2.09

Weapon Placement:

Beam (MegaPhasers) Total: 6 banks 2 each

Output: 5×10^{11} W 2.5×10^{11} W

Range: 2.5×10^5 km

Rate of Fire: 30 ppm/Cont.

Forward Banks: 2

Rear Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (MegaPhasers) Total: 2

Output: 2.6×10^{12} W 1.3×10^{12} W

Range: 1×10^6 km

Rate of Fire: 15 ppm

Forward/Rear Banks: 2

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: 4 Bays

Stock: 50

Range: 2×10^5 km

Output: 10-50 MT

Rate of Fire: 10 spm

Forward Bay: 1

Rear Bay: 1

Port Bay: 0

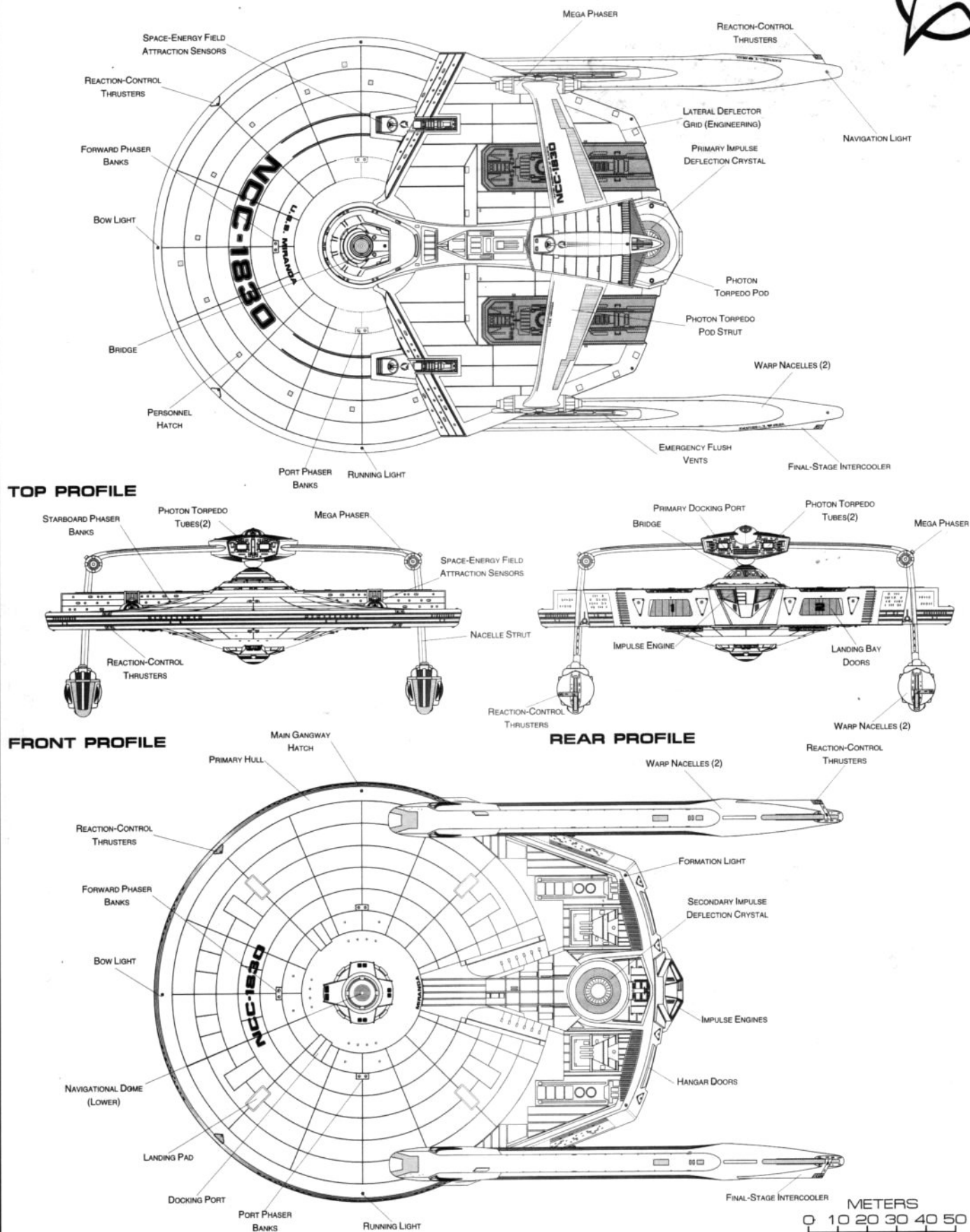
Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

FEDERATION VESSEL

HEAVY FRIGATE



METERS
0 10 20 30 40 50
SCALE 1:1800

BOTTOM PROFILE

STARFLEET REFERENCE MANUAL



HEAVY FRIGATE

Ship Names

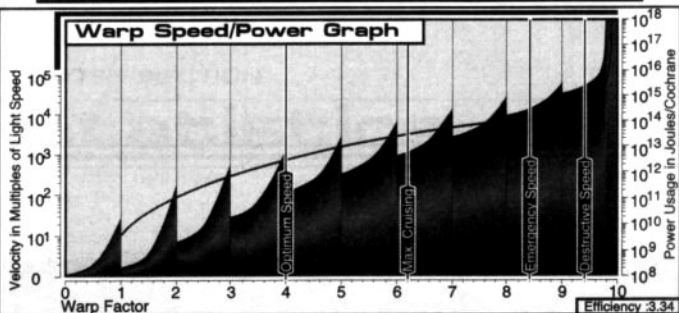
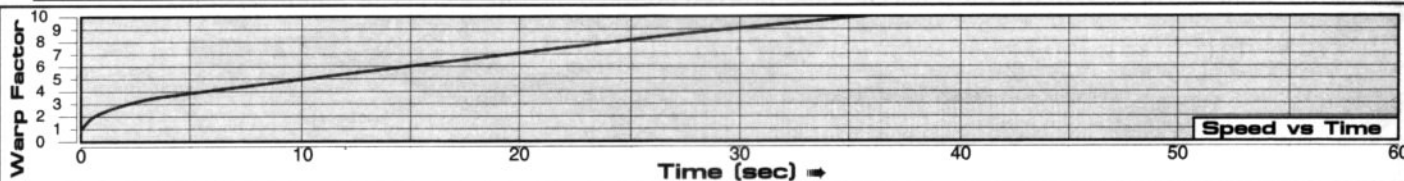
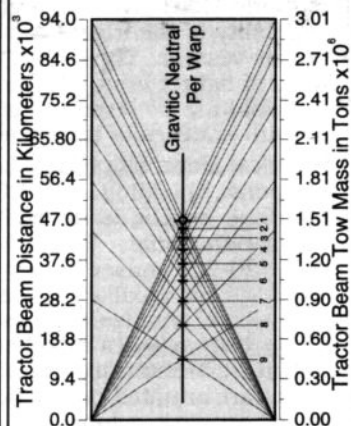
THE FOLLOWING SHIPS OF THE MK-XIV^a CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2268.10

ARENDELE • NCC-1851	KLINGER • NCC-1831	SUICHICKY • NCC-1873***
ARMANTHA • NCC-1875***	KYNGOR • NCC-1843	TIAN NAN MEN • NCC-21382
AVENGER • NCC-1860	KOWALCYK • NCC-1886***	TONINI • NCC-1866***
BANE • NCC-1889***	KROMIS • NCC-1846	TRACY • NCC-1861***
BIANKOWSKI • NCC-1870***	LANTREE • NCC-1837	TRZECIAK • NCC-1857
BRITTAIN • NCC-21166	LEAMON • NCC-1854	TYGART • NCC-1842
CARMINE • NCC-1848	MAGNOLIA • NCC-1850	URBANOWICZ • NCC-1871***
CARROW • NCC-1879***	MCCAFFERTY • NCC-1883***	WALLACE • NCC-1855
CAVENDER • NCC-1887***	MEHTA • NCC-1874***	WALTON • NCC-1844
CRUMPTON • NCC-1863***	MIRANDA • NCC-1830*	WYNDELL • NCC-1840
DANNER • NCC-1885***	MOUNDS • NCC-1858	XIQUES • NCC-1839
DOWLING • NCC-1845	MUDGETT • NCC-1833	YOTHER • NCC-1882***
ERALLINGS • NCC-1872***	NOEUVILLE • NCC-1869***	ZABRISKIE • NCC-1838
FUNSTON • NCC-1832	PASCEOE • NCC-1888***	ZETHER • NCC-1852
GADLAGE • NCC-1835	PATNIAK • NCC-1865***	
GRICE • NCC-1856	PETRA • NCC-1836	
HAIRSTON • NCC-1853	RELIANT • NCC-1864**	
HANNOVER • NCC-1841	REMBERT • NCC-1859***	
HARMON • NCC-1862***	ROMANT • NCC-1880***	
HODGINS • NCC-1877***	SARATOGA • NCC-1867**	
IOVINO • NCC-1876***	SARATOGA(II) • NCC-31911**	
JOLLIFF • NCC-1868***	SMYTHE • NCC-1847	
JUSTINIAN • NCC-1834	SOMMERLAND • NCC-1890***	
KANG • NCC-1878***	SPRADLIN • NCC-1881***	
KANTOR • NCC-1849***	STEELMAN • NCC-1884***	

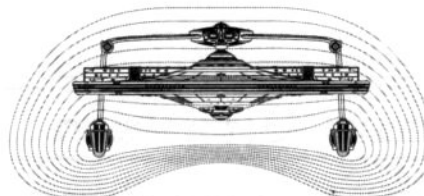
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

Tractor Beam Specifications

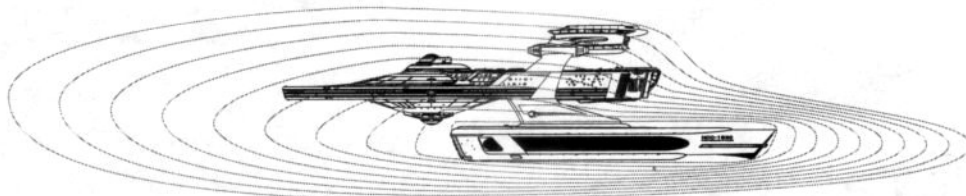
Primary Tractor Beam Load Calculator



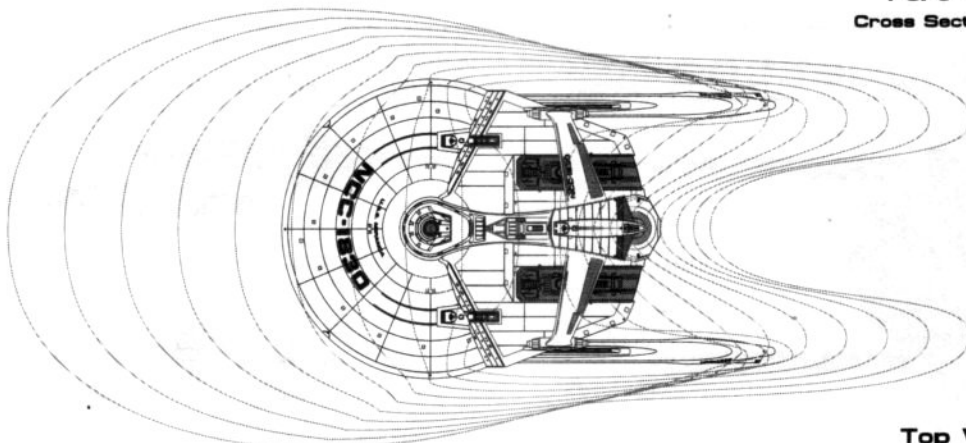
Field Length 458.15m
Field Width 201.45m
Field Height 90.08m



Front Warp Field Profile
Cross Section Area 14456.19 m²



Port Warp Field Profile
Cross Section Area 30044.41 m²



Top Warp Field Profile
Cross Section Area 69411.95 m²

STRATEGIC FRIGATE

General Information



Specific Role: After much success with the Heavy Frigate design, Starfleet decided to create a version to increase the strategic effectiveness of the frigate design. The Strategic Frigate shares the stretched, extended primary hull of the Heavy Frigate to make space for dual hangar decks to support and maintain two wings of fighter craft. The Strategic Frigate has two large sensor arrays located to either side of the primary hull. The sensor arrays are highly sensitive, long range sensors designed to gather strategic data for the fleet.

Physical Description: The Frigate incorporates an (PHE147/Y-M1) extended primary hull equipped with heavy weapons, shielding, and ECM/ECCM devices; as well as a (BS10/G-T1) bridge which contains a larger weapons station. Mounted on the underside of the primary hull is the integrated (SM49/6E) main sensor array and (DN4/1-F) navigation dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2B) phaser banks. Port and starboard on the upper primary hull forward of the raised extension, are (DN2/J-4.2) navigational deflector/space-energy field attraction sensors used to assist the navigational shields in deflecting oncoming debris and monitor space-energy fields. Mounted on the rear of the primary hull are (IP186E/5-II) dual impulse units which are used for auxiliary power and sub-light propulsion. Two medium hangar decks are installed, one on either side of the impulse engines, in the rear of the primary hull. The vessels' warp fields are generated by two (SW52/1-5RC) warp nacelles attached to the primary hull by (DU/25-6D) support pylons. Within the primary hull is the (M30/4-2A) intermix chamber and (AM8/36-4D) matter/antimatter storage tanks. The matter/antimatter storage tanks are situated on the bottom of the hull just below the impulse engines for emergency jettisoning. Located to either side of the primary hull are the two (SA45/1-24T) sensor arrays. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power

For additional detail refer to Datasheet MV-21

Class Emblem



Ship Silhouettes

Total Target Area 31364.92 m²
Average Target Area 10454.97 m²



Top Silhouette
Area 23109.44 m²



Port Silhouette
Area 5342.40 m²

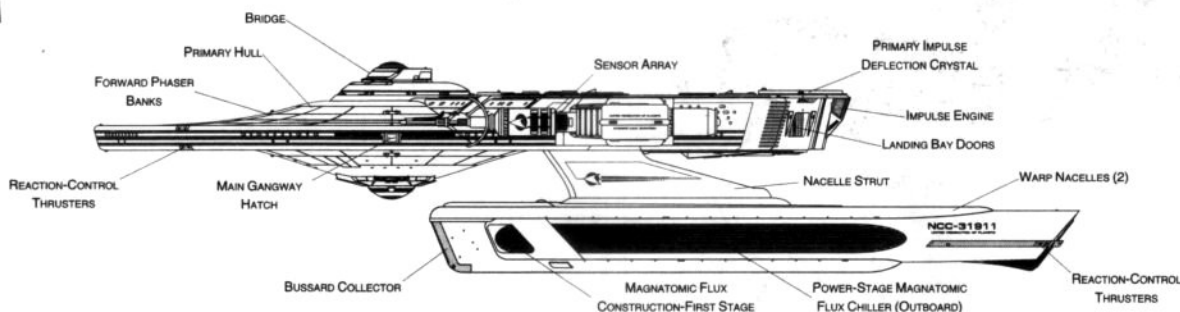


Front Silhouette
Area 2813.08 m²



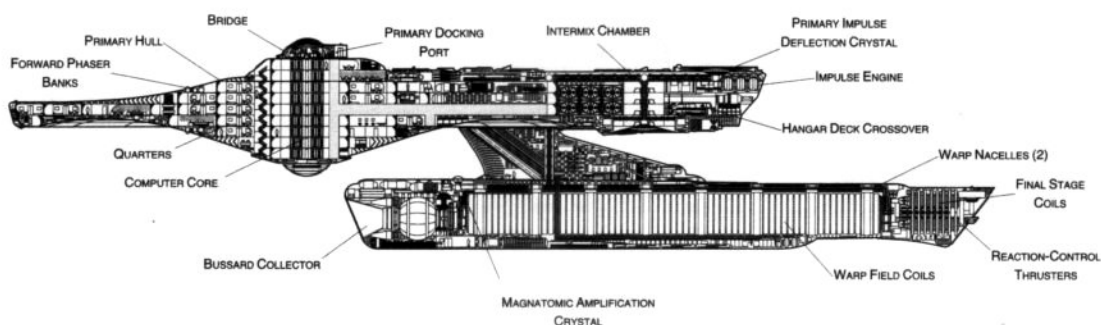
STRATEGIC FRIGATE

SARATOGA CLASS



PORT PROFILE

METERS
0 10 20 30 40 50
SCALE 1:1800



CROSS SECTION

Statistics

Classification: Strategic Frigate

Category: Frigate

Class: Saratoga

Type: Class 1

Model: MK-XXXIXa

Naval Construction Contract: 31911

Number Proposed: 42

Number Constructed: 41

Number in Service: 40

Number Lost: 1

Dimensions:

Overall Dimensions (Meters)

Length: 234.74 m

Width: 163.05 m

Height: 50.13 m

Primary Hull Dimensions (Meters)

Length: 180.04 m

Width: 141.72 m

Height: 32.94 m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 154.81 m

Width: 12.63 m

Height: 18.32 m

Displacement (Metric Tons)

Light: 234766 mt

Standard: 251526 mt

Full Load: 280783 mt

Performance:

Impulse Units: Dual Unit (IP186E/5-IT)

Impulse Engine Output: 7.8×10^{13} W

Impulse Power Index: 0.79

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.255 sec.

0.25-0.50 Impulse: 0.382 sec.

0.50-0.75 Impulse: 0.509 sec.

0.75-Full Impulse: 0.637 sec.

Warp Units: 2 Nacelle Units (SW52/1-5RC)

Warp Engine Output: 1.2×10^{15} W

Warp Power Index: 0.79

Optimum Speed: 4

Max. Safe Cruising: 6.2

Emergency Speed: 8.4

Max. Speed: 9.2

Destructive Speed: 9.3

Acceleration Power: 3

Acceleration Times:

Warp 1 - Warp 2: 0.255 sec.

Warp 2 - Warp 3: 0.407 sec.

Warp 3 - Warp 4: 1.541 sec.

Warp 4 - Warp 5: 2.215 sec.

Warp 5 - Warp 6: 2.368 sec.

Warp 6 - Warp 7: 2.559 sec.

Warp 7 - Warp 8: 3.285 sec.

Warp 8 - Warp 9: 4.698 sec.

Warp 9 - Warp 9.5: 10.441 sec.

Warp 9.5 - Warp 9.75: 12.096 sec.

Warp 9.75 - Warp 9.9: 25.083 sec.

Duration (Years)

Standard: 4 Years

Maximum: 16 Years

Std. Ships Complement: 640

Officers: 100

Crew (Ensign Grade): 490

Troops: 50

Passengers: 58

Emergency condition: + 824

Medical Facilities:

Doctors: 4

Medical Staff: 9

Operating Rooms: 3

Beds: 21

Laboratories: 8

Transporters Total: 16

1 Person: 0

2 Person: 0

6 Person: 6

12 Person: 0

22 Person: 6

Small Cargo: 2

Medium Cargo: 2

Large Cargo: 0

Super Cargo: 0

Brigs: 29

Replicators: 19

Tractor Beams: 1

Tow Capacity: 3.01×10^6 mt

Max Range: 9.4×10^4 km

Cargo Specification:

Standard Cargo Units: 410

Cargo Capacity: 20500 mt

Shuttlecraft Specifications:

Docking Ports: 5

Shuttlecraft Bays Total: 2

Small Bay: 0

Medium Bay: 2

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 73

Work Bees: 4

Travel Pods: 5

Aquatic Shuttle: 2

Light Shuttle: 2

Standard Shuttle: 2

Heavy Shuttle: 2

Cargo Shuttle: 2

Assault Shuttle: 18

Killer Bees: 8

Light Fighter: 10

Fighter: 10

Heavy Fighter: 8

Lifeboats: 63

Turbolift (8 person): 31

Lifeboat (10 person): 22

Lifeboat (20 person): 9

Lifeboat (30 person): 1

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.16

Stellar Survey: 0.96

Short Range: 1.36

Long Range: 1.13

Navigation: 1.36

Special: 1.93

Computers: 2

Type: Daystrom Duotronic 1-III;g

Type: Daystrom Duotronic 1-II;x

ECM Index: 1.21

Shield Rating:

Shield Index: 0.38

Holdoff Power: 1.57×10^{12} W

Refresh Rate: 4.47×10^{11} W

Breakdown Rate: 5.36×10^{11} W

Shield Dimensions (Meters)

Length: 352.1 m

Width: 244.6 m

Height: 75.2 m

Weapons:

Phaser Power Index: 0.52

Photon Power Index: 3.14

Vessel Power Index: 1.83

Weapon Placement:

Beam (Phasers) Total: 6 banks 2 each

Output: 5×10^{11} W 2.5×10^{11} W

Range: 2.5×10^6 m

Rate of Fire: 30 ppm/Cont.

Forward Banks: 2

Rear Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 2

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: 0

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

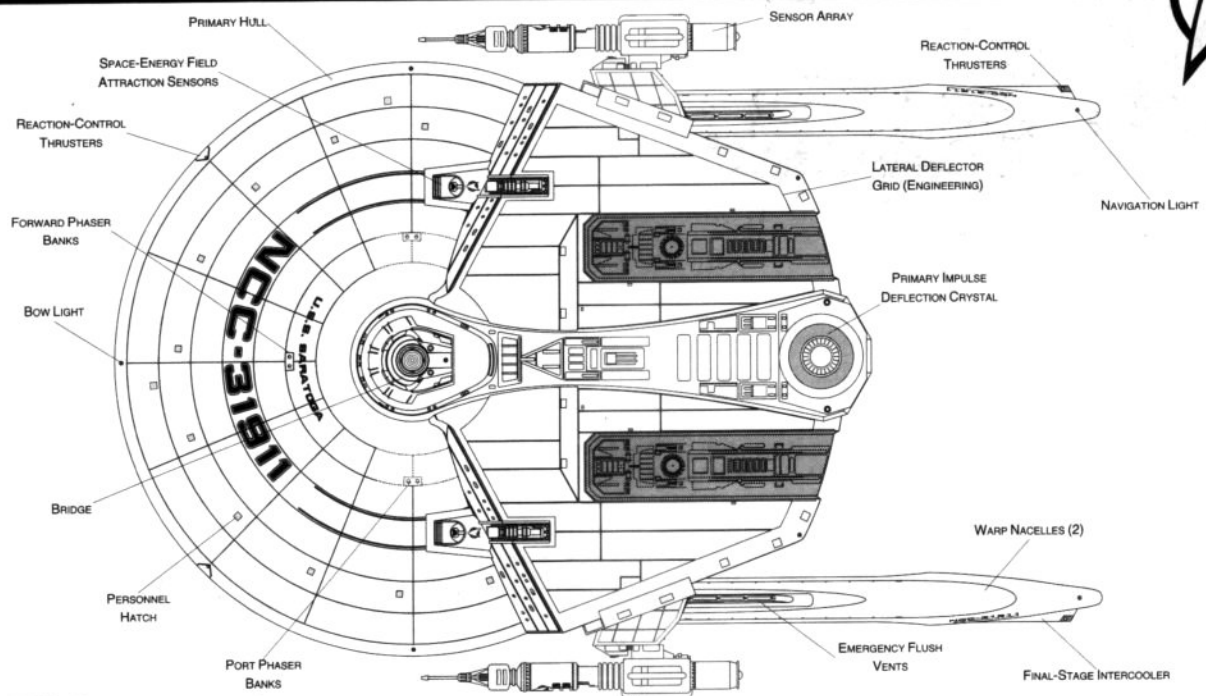
Starboard Bay: 0

Upper Bay: 0

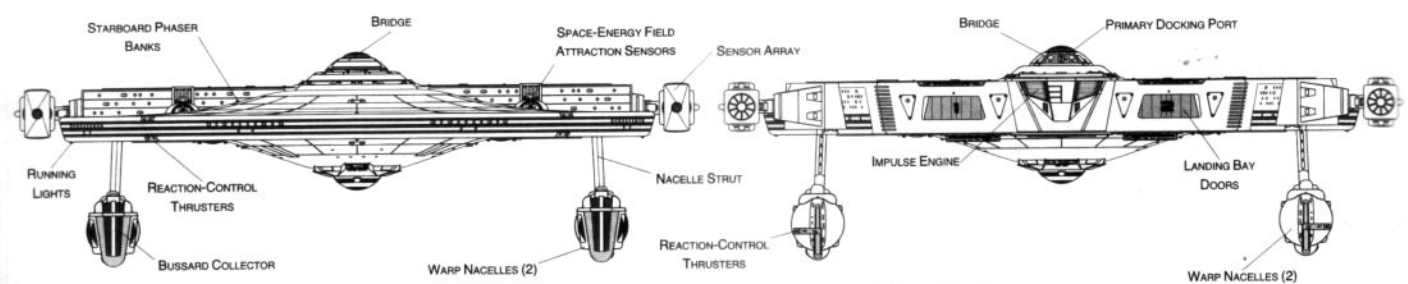
Lower Bay: 0

FEDERATION VESSEL

STRATEGIC FRIGATE

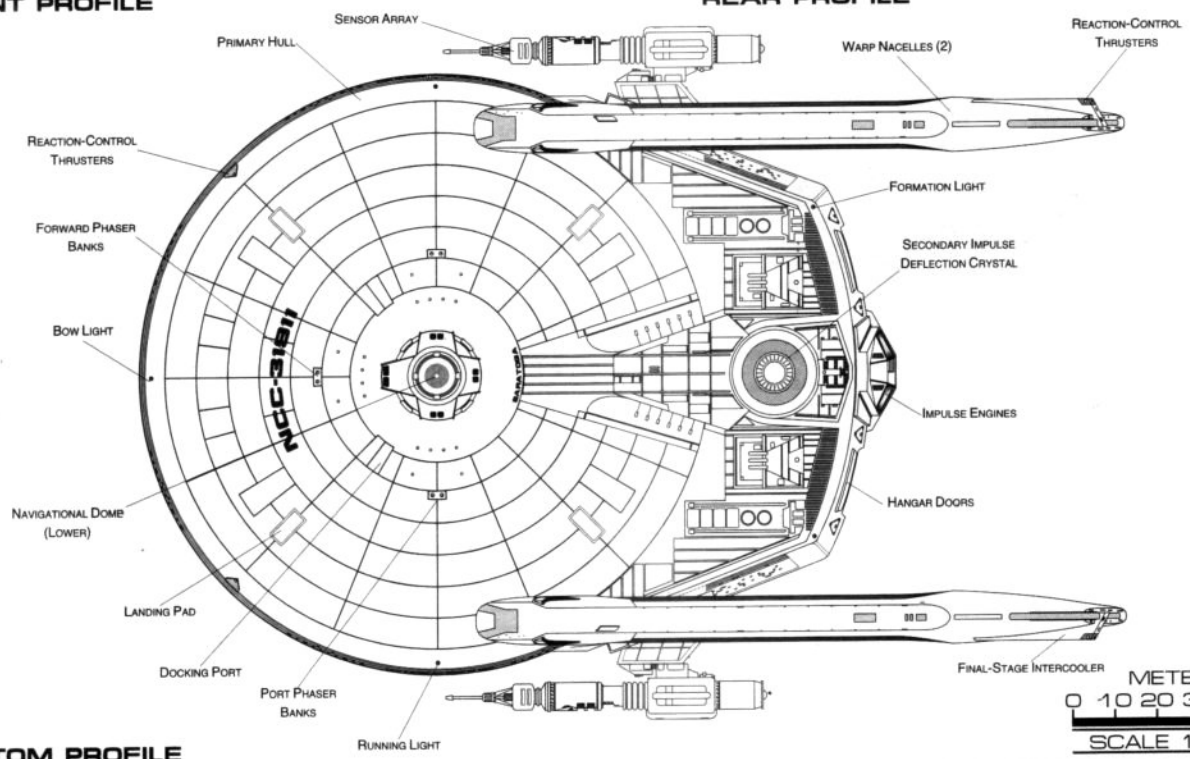


TOP PROFILE

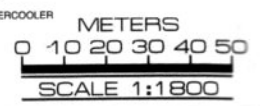


FRONT PROFILE

REAR PROFILE



BOTTOM PROFILE





STRATEGIC FRIGATE

Ship Names

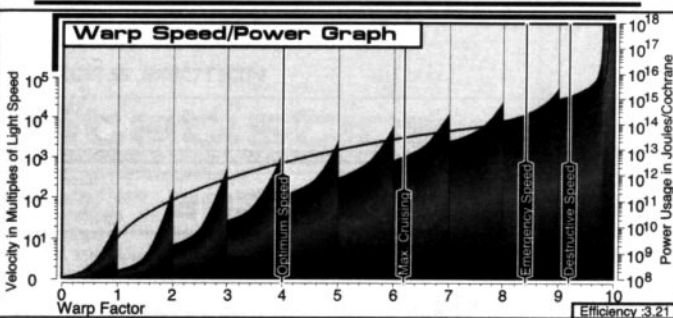
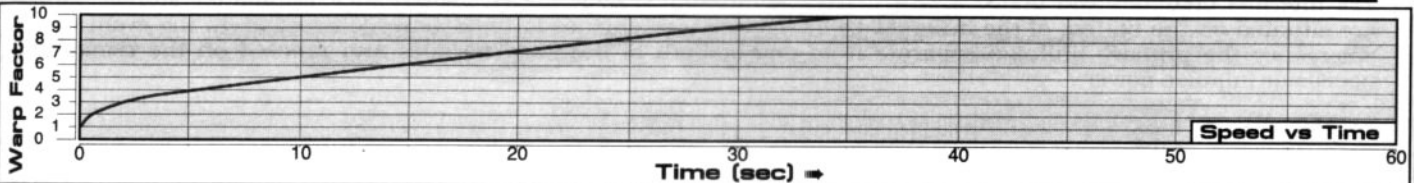
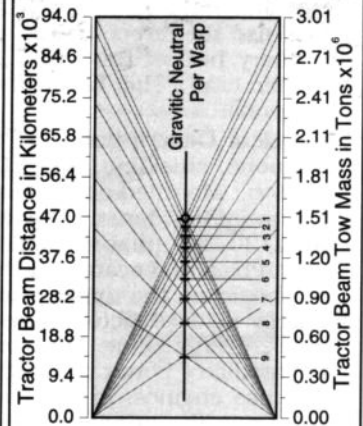
THE FOLLOWING SHIPS OF THE MK-XXXIX^a CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2269.3

ASAL UTTAR • NCC-31936	NAUTILUS • NCC-31910
BAGHDAD • NCC-31919	NOSTVEG • NCC-31916
BASANTAR • NCC-31934	NOZSECA • NCC-31929
BASRA • NCC-31907	NU CHALCEDONIS • NCC-31901
DELGON-R • NCC-31906	OGOLO • NCC-31935
FALGOR • NCC-31932	POLJANA • NCC-31939
FALLUJAH • NCC-31925	PRENTARES • NCC-31937
FLYING FORTRESS • NCC-31904	PUSAN • NCC-31927
GAMMA HYDRA • NCC-31926	REBONET • NCC-31911
JEVOL • NCC-31917	SARATOGA • NCC-31905 • ***
KANDAHAR • NCC-31909	SHIRKHAR • NCC-31930
KLAF • NCC-31922	SIDRA • NCC-31933
KONDUZ • NCC-31908	SINBAD IV • NCC-31915
LAHORE • NCC-31942	SUEZ • NCC-31931
LATAKIA • NCC-31938	TOLOLING • NCC-31921
LASUR FUNOP • NCC-31923	TRIESTE • NCC-31920
LONG TAN • NCC-31918	VUKOVAR • NCC-31940
LONGDON • NCC-31906	
LONGEWALA • NCC-31902	
MANARRAM • NCC-31914	
MANILA • NCC-31928	
MINDANAO • NCC-31924	
MOGADISHU • NCC-31913	
NAFKEH • NCC-31912	
NAJAF • NCC-31941	

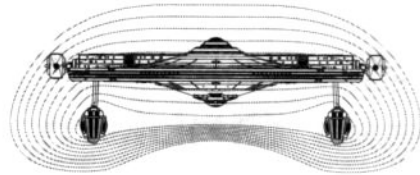
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

Tractor Beam Specifications

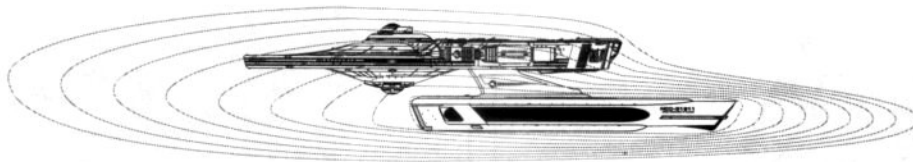
Primary Tractor Beam Load Calculator



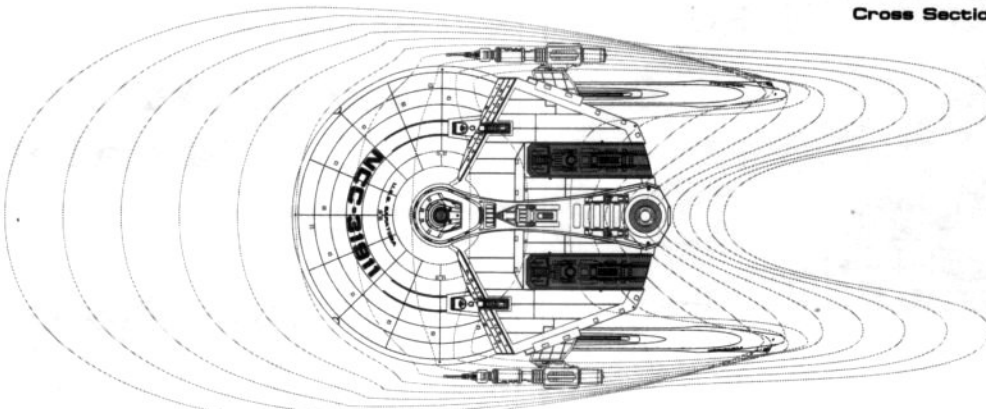
Field Length 469.29m
Field Width 195.36m
Field Height 79.13m



Front Warp Field Profile
Cross Section Area 12314.64 m²



Port Warp Field Profile
Cross Section Area 26821.01 m²



Top Warp Field Profile
Cross Section Area 68773.29 m²

ATTACK FRIGATE

General Information



Specific Role: The Attack Frigate is designed for surgical attacks while supporting troop placement in conflicted areas. The Attack Frigate, is designed to increase the effectiveness of the of the Heavy Frigate through the use of Turreted Multi-Phasic Mega Phasers. While Multi-Phasic MegaPhasers are not as powerful as Megaphasers there ability to Phase Shift the spectrum during the pulse allows the beam to be adjusted for maximum penetration.

Physical Description: The Attack Frigate incorporates an (PHE147/F-A1) extended primary hull with a weapons platform extension to the rear and a (BS12/F-T7) bridge which contains a larger weapons station and tracking station. The vessel is also equipped with extensive shielding and experimental ECM/ECCM gear. Mounted on the underside of the primary hull is the integrated (SM49/3K) main sensor array and (DNT4/3-V) navigation dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. Port and starboard on the upper primary hull forward of the raised extension, are (DN2/G-4.2) navigational deflector/space-energy field attraction sensors used to assist the navigational shields in deflecting oncoming debris and monitor space-energy fields. Mounted on the rear of the primary hull are (IP186E/3-TD) dual impulse units which are used for auxiliary power and sub-light propulsion. Two medium hangar decks are installed, one on either side of the weapons platform extension, at the rear of the primary hull. The vessels's warp fields are generated by two (SW52/2-5DF) warp nacelles attached to the primary hull by (DU/25-6A) support pylons. Within the primary hull are the (M36/4-2Z) intermix chamber and (AM8/36-4L) matter/antimatter storage tanks. The matter/antimatter storage tanks are situated on the bottom of the hull just below the impulse engines for emergency jettisoning. The Frigate is armed with four (MPPT2/15-2C) Multi-Phasic MegaPhasers. The upper turret is connected by a (DU/75-70T) support pylon and the lower is connected by the (DU/90-90T) support pylon. The port and starboard turrets are connected by (DU/22-19T) support pylons. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

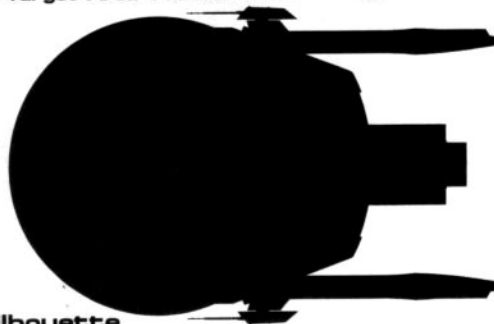
For additional detail refer to Datasheet MV-24

Class Emblem



Ship Silhouettes

Total Target Area 34987.23 m²
Average Target Area 1162.41 m²



Top Silhouette
Area 23807.77 m²



Port Silhouette
Area 7991.94 m²

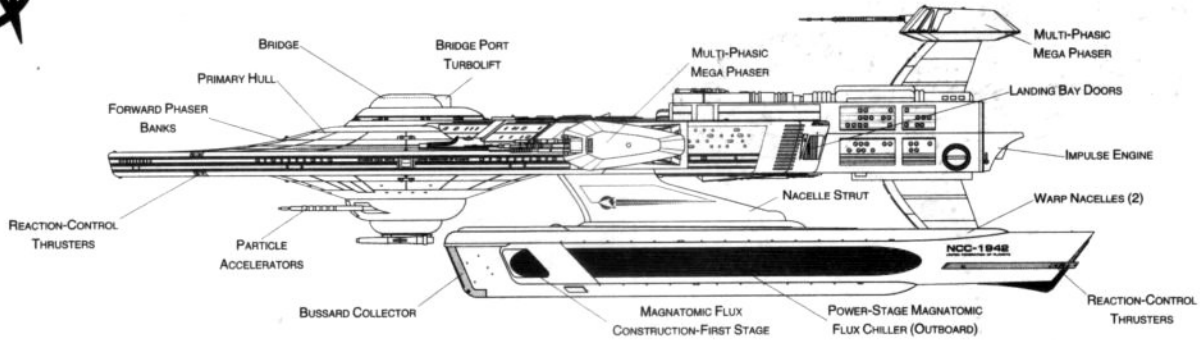


Front Silhouette
Area 3187.52 m²

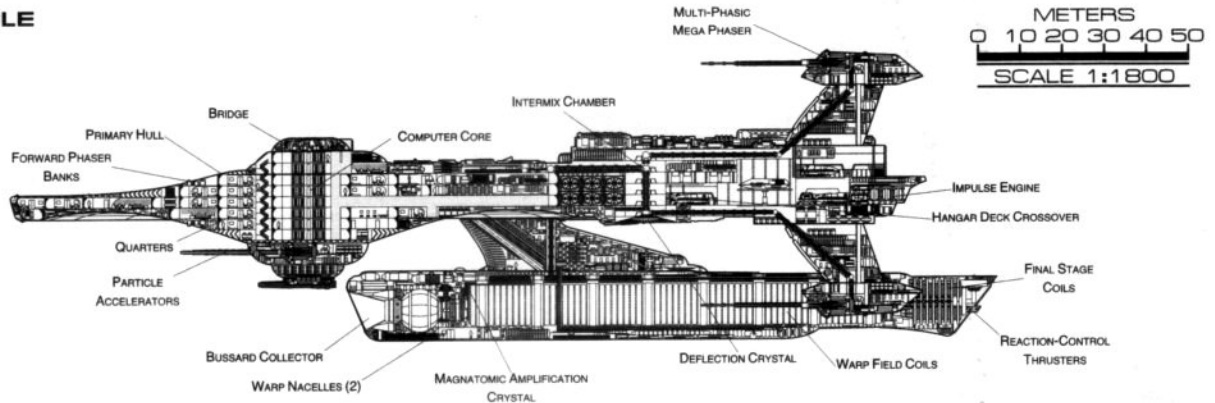


ATTACK FRIGATE

SOYUZ CLASS



PORT PROFILE



CROSS SECTION

Statistics

Classification: Attack Frigate

Category: Frigate

Class: Soyuz

Type: Class 1

Model: MK-IIa

Naval Construction Contract: 1942

Number Proposed: 20

Number Constructed: 20

Number in Service: 20

Number Lost: 1

Dimensions:

Overall Dimensions (Meters)

Length: 234.74 m

Width: 163.05 m

Height: 68.74 m

Primary Hull Dimensions (Meters)

Length: 217.94 m

Width: 141.7 m

Height: 36.12 m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 154.81 m

Width: 12.63 m

Height: 18.32 m

Displacement (Metric Tons)

Light: 198265 mt

Standard: 212418 mt

Full Load: 237127 mt

Performance:

Impulse Units: Dual Unit (IP186E/3-TD)

Impulse Engine Output: 7.8×10^{13} W

Impulse Power Index: 0.93

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.215 sec.

0.25-0.50 Impulse: 0.323 sec.

0.50-0.75 Impulse: 0.43 sec.

0.75-Full Impulse: 0.538 sec.

Warp Units: 2 Nacelle Units (SW52/1-5DF)

Warp Engine Output: 1.2×10^{15} W

Warp Power Index: 0.93

Optimum Speed: 4

Max. Safe Cruising: 6.18

Emergency Speed: 8.35

Max. Speed: 9.15

Destructive Speed: 9.28

Acceleration Power: 3

Acceleration Times:

Warp 1 - Warp 2: 0.215 sec.

Warp 2 - Warp 3: 0.344 sec.

Warp 3 - Warp 4: 1.301 sec.

Warp 4 - Warp 5: 1.871 sec.

Warp 5 - Warp 6: 2 sec.

Warp 6 - Warp 7: 2.161 sec.

Warp 7 - Warp 8: 2.774 sec.

Warp 8 - Warp 9: 3.968 sec.

Warp 9 - Warp 9.5: 8.817 sec.

Warp 9.5 - Warp 9.75: 10.215 sec.

Warp 9.75 - Warp 9.9: 21.183 sec.

Duration (Years)

Standard: 4 Years

Maximum: 16 Years

Std. Ships Complement: 429

Officers: 64

Crew (Ensign Grade): 315

Troops: 50

Passengers: 35

Emergency condition: + 526

Medical Facilities:

Doctors: 4

Medical Staff: 9

Operating Rooms: 3

Beds: 21

Laboratories: 6

Transporters Total: 11

1 Person: 0

2 Person: 0

6 Person: 4

12 Person: 0

22 Person: 4

Small Cargo: 2

Medium Cargo: 2

Large Cargo: 0

Super Cargo: 0

Brigs: 24

Replicators: 16

Tractor Beams: 1

Tow Capacity: 2.87×10^6 mt

Max Range: 9.2×10^4 km

Cargo Specification:

Standard Cargo Units: 410

Cargo Capacity: 20500 mt

Shuttlecraft Specifications:

Docking Ports: 5

Shuttlecraft Bays Total: 2

Small Bay: 0

Medium Bay: 2

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 70

Work Bees: 3

Travel Pods: 5

Aquatic Shuttle: 2

Light Shuttle: 2

Standard Shuttle: 2

Heavy Shuttle: 2

Cargo Shuttle: 2

Assault Shuttle: 18

Killer Bees: 7

Light Fighter: 10

Fighter: 10

Heavy Fighter: 7

Lifeboats: 47

Turbolift (8 person): 27

Lifeboat (10 person): 14

Lifeboat (20 person): 6

Lifeboat (30 person): 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 0.93

Stellar Survey: 0.77

Short Range: 1.24

Long Range: 1.02

Navigation: 1.24

Special: 1.26

Computers: 2

Type: Daystrom Duotronic 1-III;q

Type: Daystrom Duotronic 1-II;b

ECM Index: 1.21

Shield Rating:

Shield Index: 0.53

Holdoff Power: 1.86×10^{12} W

Refresh Rate: 5.29×10^{11} W

Breakdown Rate: 6.35×10^{11} W

Shield Dimensions (Meters)

Length: 352.1 m

Width: 244.6 m

Height: 103.1 m

Weapons:

Phaser Power Index: 0.62

Photon Power Index: 3.72

Vessel Power Index: 2.17

Weapon Placement:

Beam (Phasers) Total: 6 banks 2 each

Output: 5×10^{11} W 2.5×10^{11} W

Range: 2.5×10^5 km

Rate of Fire: 30 ppm/Cont.

Forward Banks: 2

Rear Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (MP MegaPhasers) Total: 0

Output: 2.0×10^{12} W 1.0×10^{12} W

Range: 8.0×10^5 km

Rate of Fire: 15 ppm/Cont.

Forward/Rear Banks: 1

Port/Starboard Banks: 2

Upper/Lower Banks: 1

Torpedoes (Photon) Total: 0

Stock: 0

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

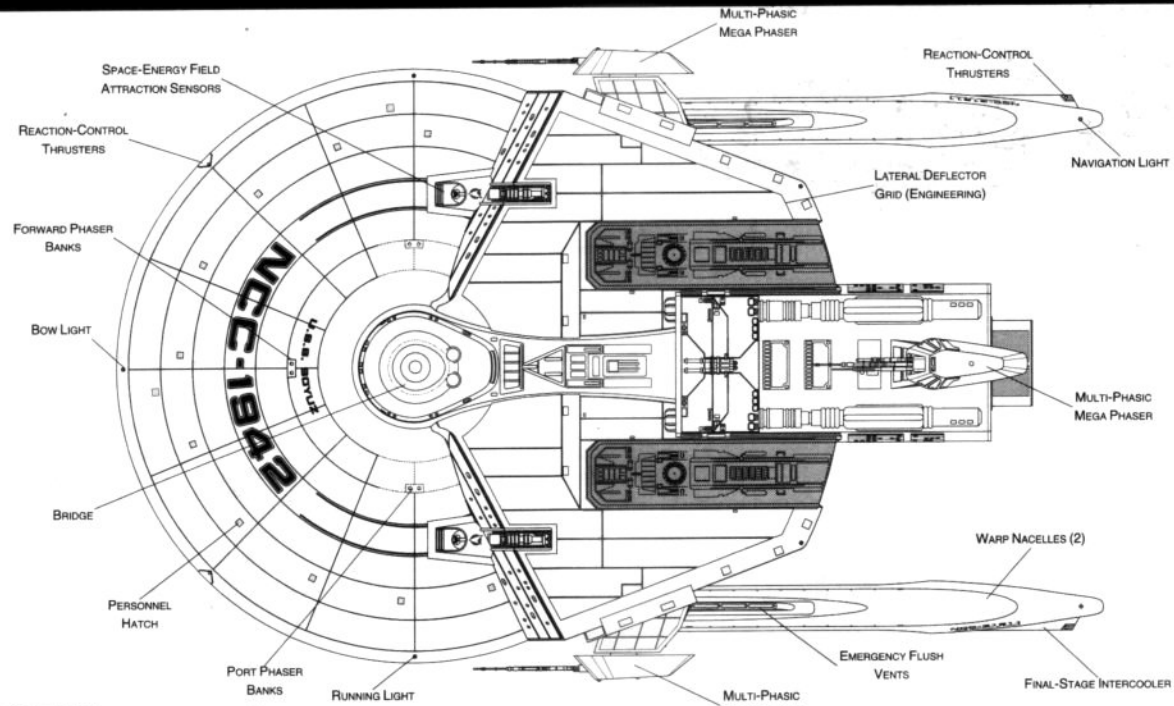
Starboard Bay: 0

Upper Bay: 0

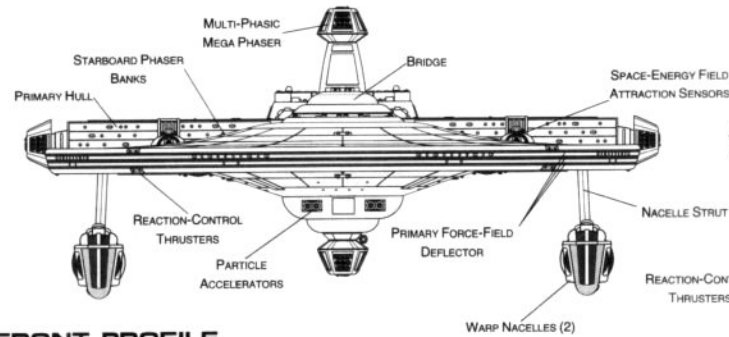
Lower Bay: 0

FEDERATION VESSEL

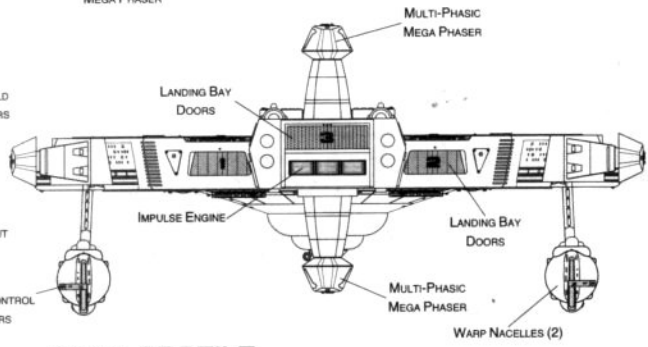
ATTACK FRIGATE



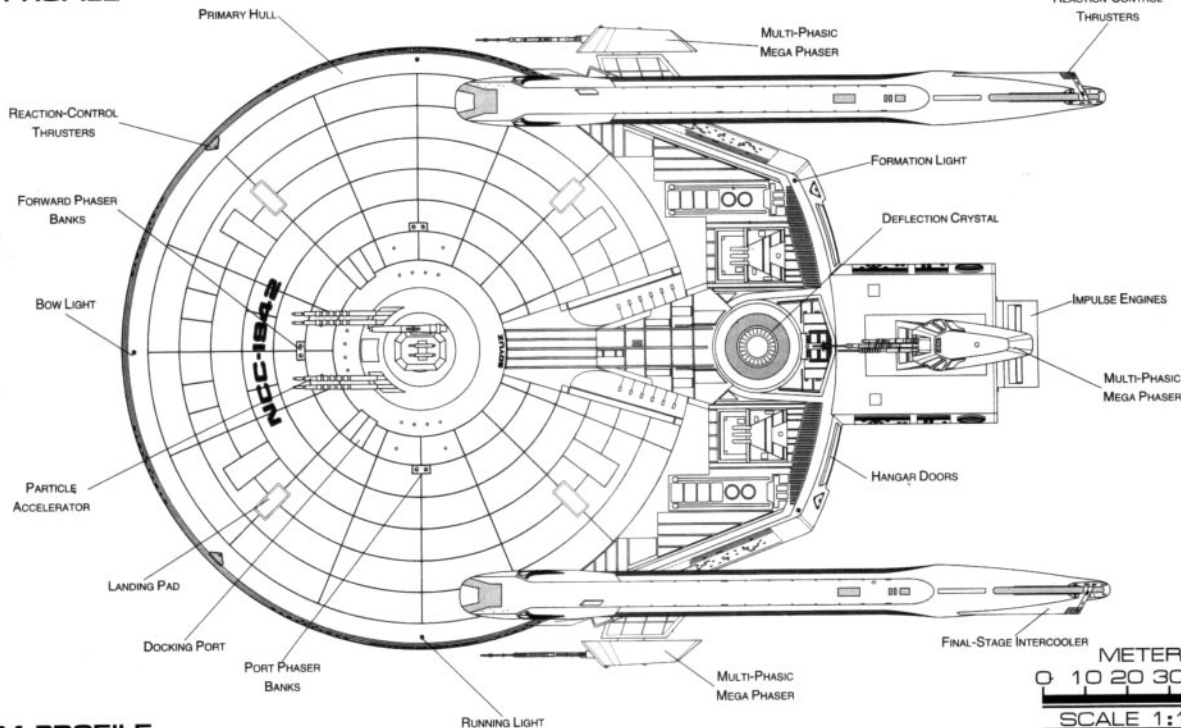
TOP PROFILE



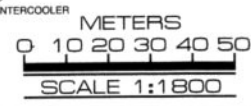
FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE





ATTACK FRIGATE

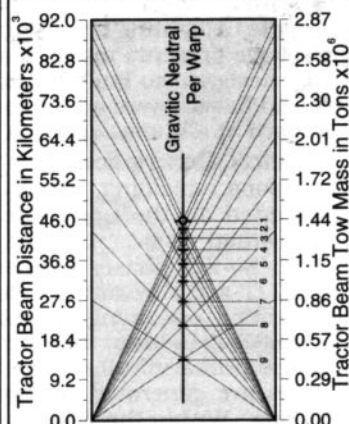
Ship Names

THE FOLLOWING SHIPS OF THE MK-IIa CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2267.1

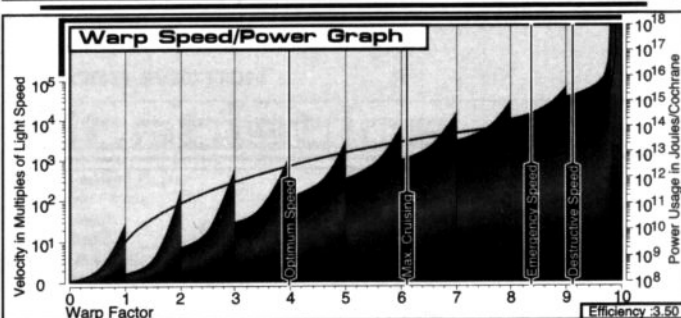
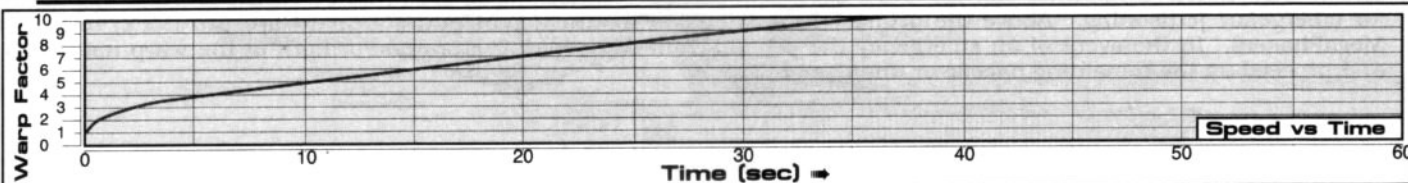
ACREE • NCC-1950
BOZEMAN • NCC-1941**
CAVANNAUGH • NCC-1958
CHINEA • NCC-1952
DAVIDSON • NCC-1945
ESTELL • NCC-1944
FOELLER • NCC-1959
GRILLIOT • NCC-1961
HELENA • NCC-1956
IMARI • NCC-1947
KATSINIS • NCC-1955
MOXEY • NCC-1953
NOEVER • NCC-1949
PANDORA • NCC-1957
REFIEUNA • NCC-1948
SLOAN • NCC-1951
SONNIER • NCC-1960
SOYUZ • NCC-1942*
TAHERI • NCC-1946
TALBOT • NCC-1954
URSALINE • NCC-1943

Tractor Beam Specifications

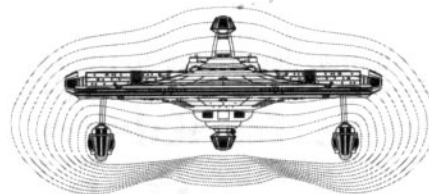
Primary Tractor Beam Load Calculator



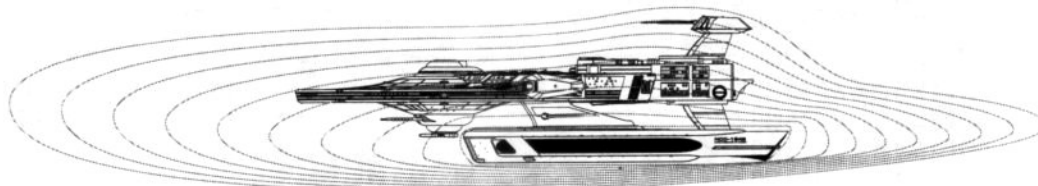
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."



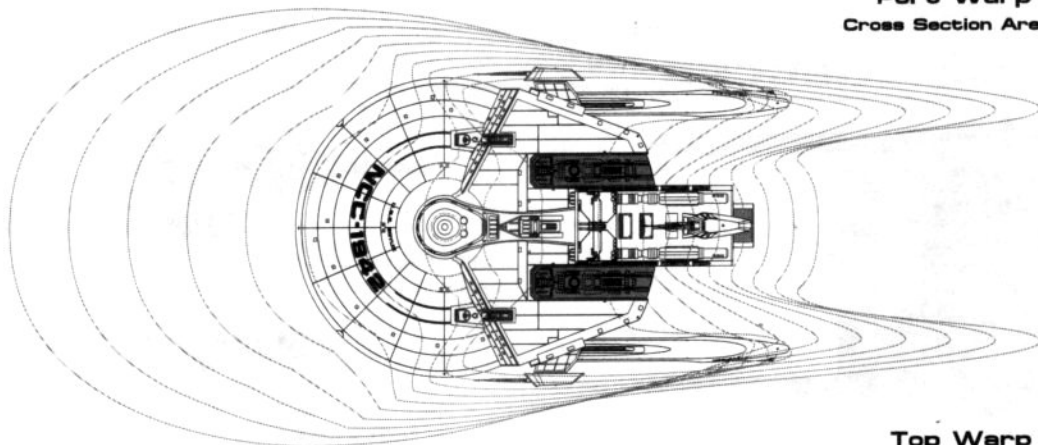
Field Length 490.54m
Field Width 202.20m
Field Height 88.33m



Front Warp Field Profile
Cross Section Area 13831.08 m²



Port Warp Field Profile
Cross Section Area 30042.52 m²



Top Warp Field Profile
Cross Section Area 69410.49 m²

MEDICAL FRIGATE



General Information

Specific Role: The Medical Frigate is a mobile medical facility providing support and emergency medical care throughout the Federation. The frigate is equipped with extensive laboratories and medical facilities for on-site treatment of patients.

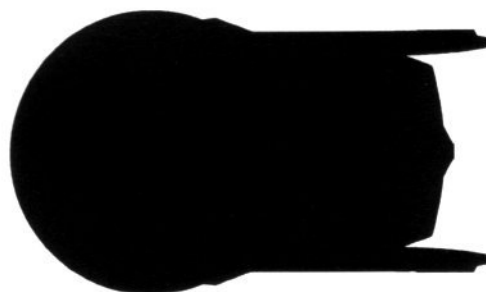
Physical Description: The extended (PHE234/M-E2) primary hull is outfitted with extensive medical facilities and the (BS9/M-E6) bridge incorporates a larger tracking and surveillance station. On the lower part of the primary hull is the (SM49/3Y) main sensor array and (DN4/3-J) navigational dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. Port and starboard on the upper primary hull forward of the raised extension, are the (DN2/G-4.2) navigational deflectors used to assist the navigational shields in deflecting oncoming debris. Two medium hangar decks are installed, one on either side of the impulse engines, in the rear of the hull extension. To the rear of the primary hull are (IP186E/5-QD) dual impulse units which are used for auxiliary power and sub-warp propulsion. The frigate's warp fields are generated by two (SW52/1-5KY) warp nacelles attached to the underside of the primary hull by (DU/25-6S) support pylons. Inside the primary hull are the (M28/4-2B) intermix chamber and (AM8/36-4E) matter/antimatter storage tanks. The storage tanks are located below the impulse engines for emergency jettisoning. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



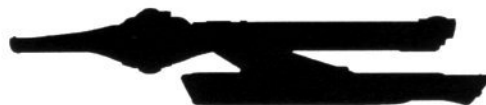
Ship Silhouettes

Total Target Area 39234.24 m²



Top Silhouette

Area 29318.52 m²



Port Silhouette

Area 6917.00 m²



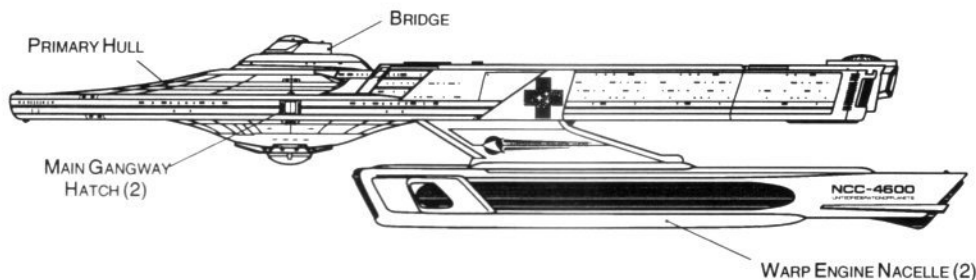
Front Silhouette

Area 2998.72 m²

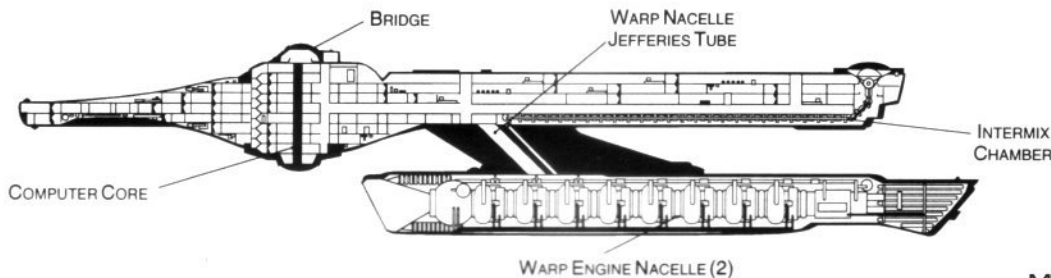


MEDICAL FRIGATE

HIPPOCRATES CLASS



PORT PROFILE



METERS
0 10 20 30 40 50
SCALE 1:2000

CROSS SECTION

Statistics

Classification: Medical Frigate

Category: Medical Ship

Class: Hippocrates

Type: Class 2

Model: MK-III

Naval Construction Contract: 4600

Number Proposed: 74

Number Constructed: 74

Number in Service: 72

Number Lost: 2

Dimensions:

Overall Dimensions (Meters)

Length: 241.38m

Width: 141.72m

Height: 48.53m

Primary Hull Dimensions (Meters)

Length: 222.52m

Width: 141.72m

Height: 32.94m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 154.81m

Width: 12.63m

Height: 18.32m

Displacement (Metric Tons)

Light: 206,124mt

Standard: 220,838mt

Full Load: 246,526mt

Performance:

Impulse Units: Dual Unit (IP186E/5-QD)

Impulse Engine Output: 7.8×10^{13} W

Impulse Power Index: 0.89

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.224 sec.

0.25-0.50 Impulse: 0.335 sec.

0.50-0.75 Impulse: 0.447 sec.

0.75-Full Impulse: 0.559 sec.

Warp Units: 2 Nacelle Units (SW52/1-5KY)

Warp Engine Output: 1.2×10^{15} W

Warp Power Index: 0.89

Optimum Speed: Warp 4

Max. Safe Cruising: Warp 6.2

Emergency Speed: Warp 8.4

Max. Speed: Warp 9.2

Destructive Speed: Warp 9.3

Acceleration Power: 3.0

Acceleration Times:

Warp 1 - Warp 2: 0.224 sec.

Warp 2 - Warp 3: 0.358 sec.

Warp 3 - Warp 4: 1.353 sec.

Warp 4 - Warp 5: 1.945 sec.

Warp 5 - Warp 6: 2.079 sec.

Warp 6 - Warp 7: 2.247 sec.

Warp 7 - Warp 8: 2.884 sec.

Warp 8 - Warp 9: 4.125 sec.

Warp 9 - Warp 9.5: 9.167 sec.

Warp 9.5 - Warp 9.75: 10.620 sec.

Warp 9.75 - Warp 9.9: 22.023 sec.

Duration (Years)

Standard: 5 Years

Maximum: 20 Years

Std. Ships Complement: 655

Officers: 108

Crew (Ensign Grade): 527

Troops: 20

Passengers: 56

Emergency condition: +878

Medical Facilities:

Doctors: 50

Nurses: 263

Operating Rooms: 42

Beds: 1000

Laboratories: 10

Transporters Total: 21

1 Person: 0

2 Person: 0

6 Person: 9

12 Person: 0

22 Person: 9

Small Cargo: 2

Medium Cargo: 1

Large Cargo: 0

Super Cargo: 0

Brigs: 13

Replicators: 17

Tractor Beams: 1

Tow Capacity: 2.82×10^6 mt

Max Range: 7.81×10^4 km

Cargo Specification:

Standard Cargo Units: 306

Cargo Capacity: 15,300mt

Shuttlecraft Specifications:

Docking Ports: 3

Shuttlecraft Bays Total: 2

Small Bay: 0

Medium Bay: 2

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 28

Work Bees: 2

Travel Pods: 1

Aquatic Shuttle: 1

Light Shuttle: 3

Standard Shuttle: 5

Medical Shuttle: 15

Heavy Shuttle: 0

Cargo Shuttle: 1

Assault Shuttle: 0

Killer Bees: 0

Fighter: 0

Lifeboats: 61

Turbolift (8 person): 23

Lifeboat (10 person): 26

Lifeboat (20 person): 11

Lifeboat (30 person): 1

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 0.3804

Stellar Survey: 1.0410

Short Range: 0.2870

Long Range: 0.7854

Navigation: 0.3009

Special: 0.4764

Computers: 2

Type: Daystrom Duotronic III:b

Type: Daystrom Duotronic II:a

ECM Index: 0.94

Shield Rating:

Shield Index: 0.48

Holdoff Power: 1.74×10^{12} W

Refresh Rate: 4.94×10^{11} W

Breakdown Rate: 5.92×10^{11} W

Shield Dimensions (Meters)

Length: 304.91m

Width: 177.01m

Height: 61.31m

Weapons:

Phaser Power Index: 0.59

Photon Power Index: 0.00

Vessel Power Index: 0.30

Weapon Placement:

Beam (Phasers) Total: 6 banks 2 each

Output: 5.0×10^{11} W / 2.5×10^{11} W

Range: 2.5×10^5 km

Rate of Fire: 30 ppm / Cont.

Forward Banks: 2

Rear Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

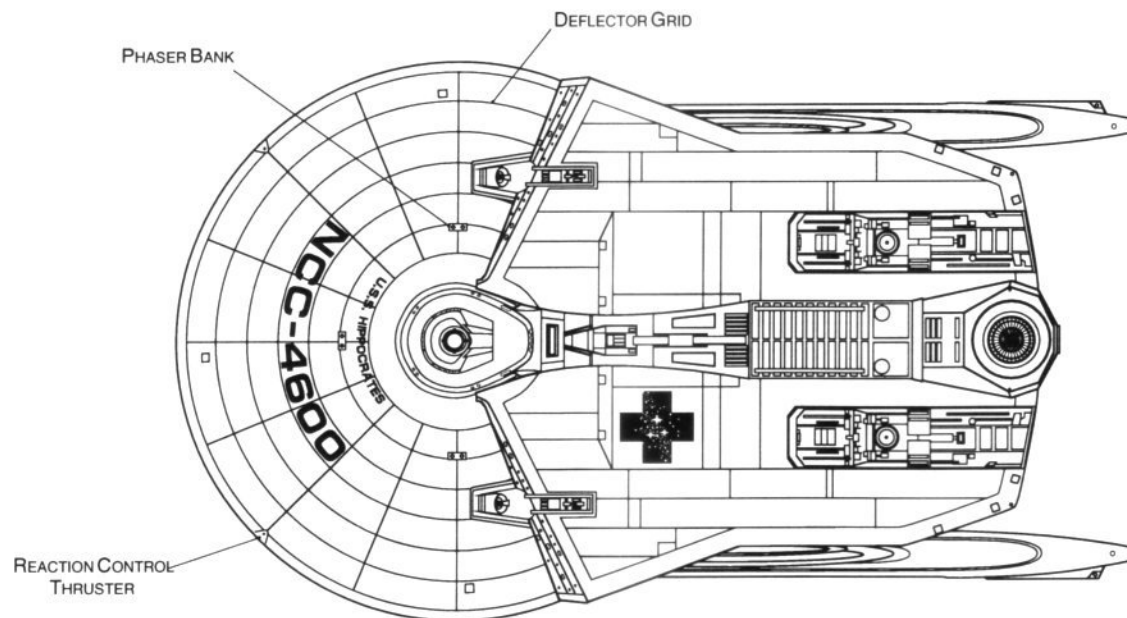
Starboard Bay: 0

Upper Bay: 0

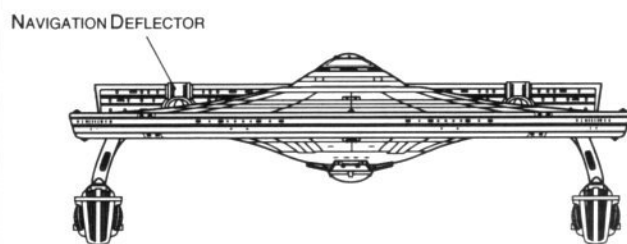
Lower Bay: 0

FEDERATION VESSEL

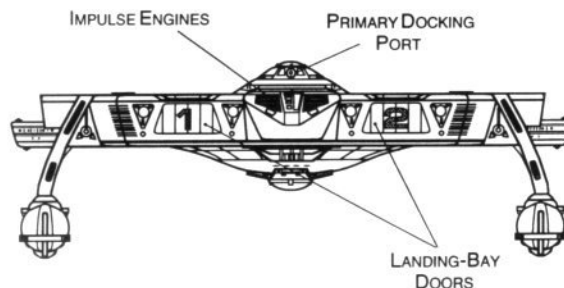
MEDICAL FRIGATE



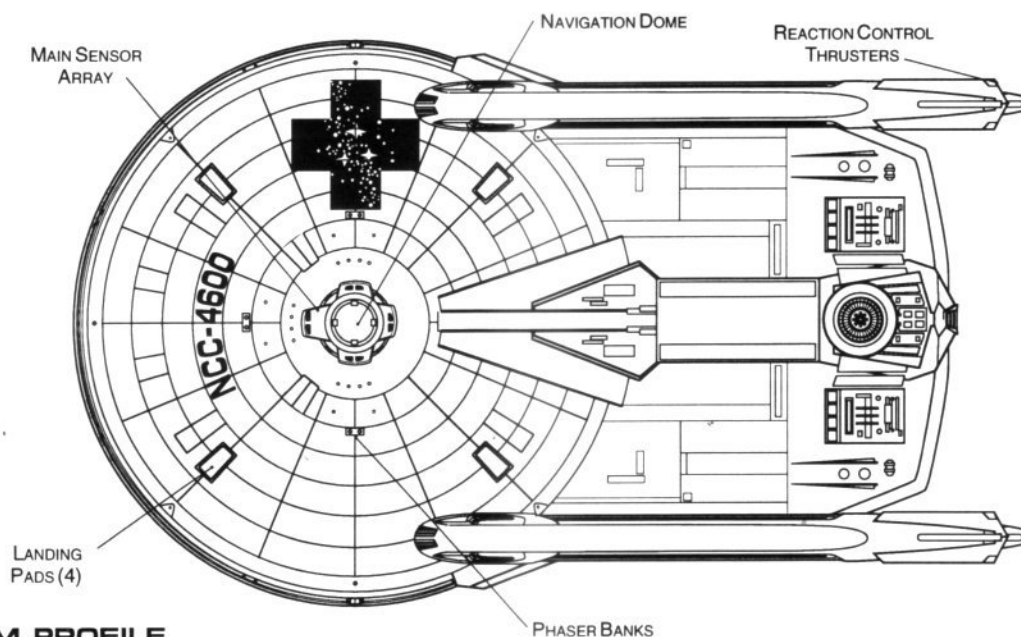
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40 50
SCALE 1:2000



MEDICAL FRIGATE

Ship Names

THE FOLLOWING SHIPS OF THE MK-III CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2268.4

ABBOTT •NCC-4673
ACOSTA •NCC-4662
ASHBROOK •NCC-4646
ATKINSON •NCC-4633
BAGWELL •NCC-4614
BAIN •NCC-4620
BARNETT •NCC-4604
BEADLESS •NCC-4608
BIRDSALL •NCC-4640
BLACKWOOD •NCC-4650
CABALLERO •NCC-4655
CAMPSEY •NCC-4643
CASTLEBERRY •NCC-4663
CLAMPITT •NCC-4669
DARSEY •NCC-4625
DAVILLA •NCC-4649
DOWDY •NCC-4672
DUVAK •NCC-4656
ECKHOFF •NCC-4606
ELDRIDGE •NCC-4612
ETTER •NCC-4629
FAIRBANKS •NCC-4637
FAULKENBERRY •NCC-4617
FOERSTER •NCC-4671
GABRIEL •NCC-4635

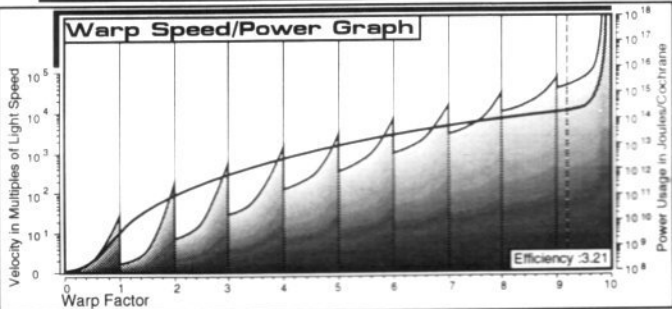
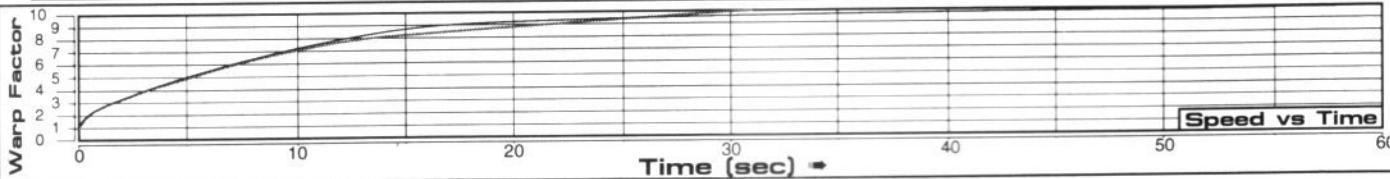
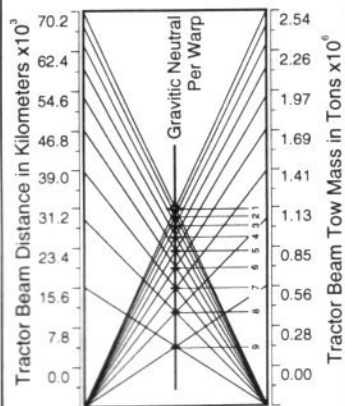
GARTH •NCC-4618
GORDON •NCC-4601
GRACIE •NCC-4627
HAMERSLEY •NCC-4610
HELMBRECHT •NCC-4623
HERNDON •NCC-4645
HINKLEY •NCC-4668
HIPPOCRATES •NCC-4600*
HOEFER •NCC-4670
IDALOU •NCC-4628
ISLER •NCC-4607
JACINTO •NCC-4603
JOSEPHSON •NCC-4661
JULIAN •NCC-4666
KAMALPOOR •NCC-4605
KEELING •NCC-4616
KILDARE •NCC-4642
KIRBY •NCC-4639
KURTH •NCC-4653
LABOMBARD •NCC-4667
LABERTH •NCC-4659
LAWSON •NCC-4641
LONGORIA •NCC-4654
LORAN •NCC-4664
LYNSKEY •NCC-4636

MABBIT •NCC-4609
MEADOWS •NCC-4602
MENTOR •NCC-4624
NIELSON •NCC-4644
NIPPER •NCC-4657
OLIVER •NCC-4665
PABAST •NCC-4658
PICTUM •NCC-4648
QUINCY •NCC-4660
RICHMOND •NCC-4613
RODMAN •NCC-4631
SCHULTZ •NCC-4611
SEARLS •NCC-4615**
SLAUGHTER •NCC-4638
TILGER •NCC-4652
TRIMBLE •NCC-4647
URIVE •NCC-4651**
VARELA •NCC-4626
VOIGT •NCC-4634
WALTERS •NCC-4619
WARNOCK •NCC-4632
WEXLER •NCC-4622
YODER •NCC-4630
ZARATE •NCC-4621

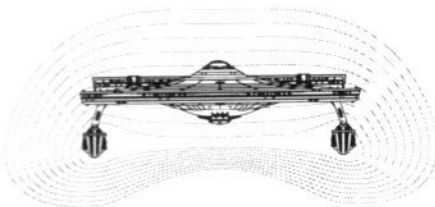
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

Tractor Beam Specifications

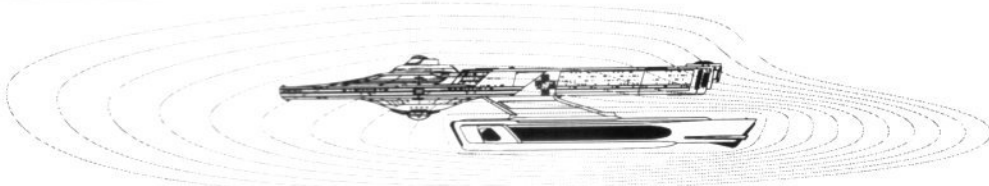
Primary Tractor Beam Load Calculator



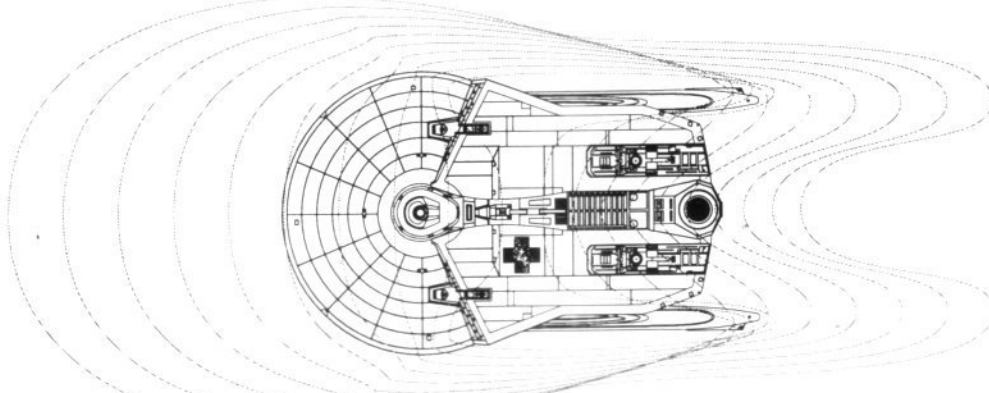
Field Length 521.82m
Field Width 230.74m
Field Height 102.71m



Front Warp Field Profile
Cross Section Area 18944.96 m²



Port Warp Field Profile
Cross Section Area 39205.96 m²



Top Warp Field Profile
Cross Section Area 90273.04 m²

WARP FIELDS

FRIGATE



General Information

Specific Role: Exhaustive research of Federation involvement in peace-keeping duties led to the development of the Frigate, a fighting ship primarily used to transport fighter-craft and troops into battle. The Frigate's small, stout package presents minimal silhouette target area to enemy vessels. The Frigate is equipped with a medium hangar bay designed to launch and maintain a single wing of fighter craft. To increase the firepower of the Frigate, two MegaPhasers were added to the primary hull and are powered directly off the intermix chamber. Troops are carried aboard at all times and can use either assault shuttles or transporters to reach specific planetary engagements.

Physical Description: The Frigate incorporates an (PHE147/F-M2) extended primary hull equipped with heavy weapons, shielding, and ECM devices; as well as a (BS9/F-T2) bridge which contains a larger weapons station. Mounted on the underside of the primary hull is the integrated (SM49/5J) main sensor array and (DN4/2-G) navigation dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. Port and starboard on the upper primary hull forward of the raised extension, are (DN2/T-4.2) navigational deflector/space-energy field attraction sensors used to assist the navigational shields in deflecting oncoming debris and monitor space-energy fields. Mounted on the rear of the primary hull are (IP186E/5-IR) dual impulse units which are used for auxiliary power and sub-light propulsion. Located to the rear of the primary hull on the starboard side of the impulse engines, is a medium hangar deck. The vessels's warp fields are generated by two (SW52/1-5RL) warp nacelles attached to the primary hull by (DU/25-6G) support pylons. Within the primary hull are the (M28/4-2Y) intermix chamber and (AM8/36-4S) matter/antimatter storage tanks. The matter/antimatter storage tanks are situated on the bottom of the hull just below the impulse engines for emergency jettisoning. Above the primary hull extension mounted port and starboard are two (MP2/15-2G) MegaPhasers. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

For additional detail refer to Datasheet MV-23

Class Emblem



Ship Silhouettes

Total Target Area 27228.02 m²
Average Target Area 9076.01 m²



Top Silhouette
Area 19424.05 m²



Port Silhouette
Area 5129.10 m²

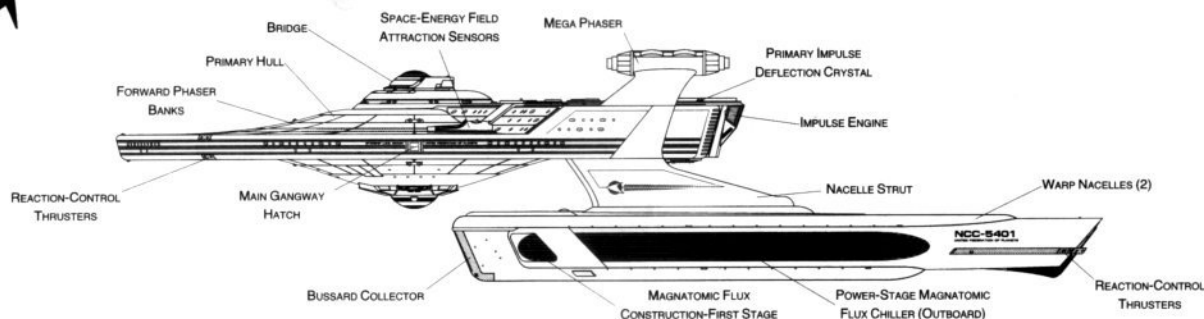


Front Silhouette
Area 2674.87 m²



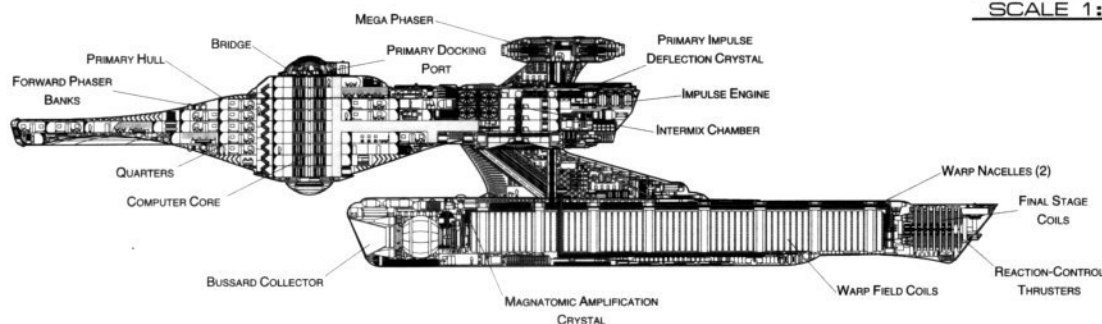
FRIGATE

BRAGG CLASS



PORT PROFILE

METERS
0 10 20 30 40 50
SCALE 1:1800



CROSS SECTION

Statistics

Classification: Frigate

Category: Frigate

Class: Bragg

Type: Class1

Model: MK-XLIIa

Naval Construction Contract: 1900

Number Proposed: 84

Number Constructed: 49

Number in Service: 48

Number Lost: 1

Dimensions:

Overall Dimensions (Meters)

Length: 234.74 m

Width: 141.72 m

Height: 54.89 m

Primary Hull Dimensions (Meters)

Length: 149.42 m

Width: 141.72 m

Height: 32.9 m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 154.81 m

Width: 12.63 m

Height: 18.32 m

Displacement (Metric Tons)

Light: 187932 mt

Standard: 201347 mt

Full Load: 224768 mt

Performance:

Impulse Units: Dual Unit (IP186E/5-IR)

Impulse Engine Output: 7.8x1013 W

Impulse Power Index: 0.98

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.204 sec.

0.25-0.50 Impulse: 0.306 sec.

0.50-0.75 Impulse: 0.408 sec.

0.75-Full Impulse: 0.51 sec.

Warp Units: 2 Nacelle Units (SW52/1-5RL)

Warp Engine Output: 1.2x1015 W

Warp Power Index: 0.98

Optimum Speed: 4

Max. Safe Cruising: 6.1

Emergency Speed: 8.2

Max. Speed: 9.1

Destructive Speed: 9.2

Acceleration Power: 3

Acceleration Times:

Warp 1 - Warp 2: 0.204 sec.

Warp 2 - Warp 3: 0.326 sec.

Warp 3 - Warp 4: 1.233 sec.

Warp 4 - Warp 5: 1.774 sec.

Warp 5 - Warp 6: 1.896 sec.

Warp 6 - Warp 7: 2.049 sec.

Warp 7 - Warp 8: 2.63 sec.

Warp 8 - Warp 9: 3.761 sec.

Warp 9 - Warp 9.5: 8.358 sec.

Warp 9.5 - Warp 9.75: 9.683 sec.

Warp 9.75 - Warp 9.9: 20.079 sec.

Duration (Years)

Standard: 4 Years

Maximum: 16 Years

Std. Ships Complement: 396

Officers: 61

Crew (Ensign Grade): 295

Troops: 40

Passengers: 30

Emergency condition: + 491

Medical Facilities:

Doctors: 3

Medical Staff: 7

Operating Rooms: 2

Beds: 16

Laboratories: 6

Transporters Total: 10

1 Person: 0

2 Person: 0

6 Person: 4

12 Person: 0

22 Person: 4

Small Cargo: 1

Medium Cargo: 1

Large Cargo: 0

Super Cargo: 0

Brigs: 23

Replicators: 15

Tractor Beams: 1

Tow Capacity: 3.64x106 mt

Max Range: 9.1x104 km

Cargo Specification:

Standard Cargo Units: 291

Cargo Capacity: 14550 mt

Shuttlecraft Specifications:

Docking Ports: 5

Shuttlecraft Bays Total: 1

Small Bay: 0

Medium Bay: 1

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 37

Work Bees: 2

Travel Pods: 2

Aquatic Shuttle: 1

Light Shuttle: 1

Standard Shuttle: 1

Heavy Shuttle: 1

Cargo Shuttle: 1

Assault Shuttle: 10

Killer Bees: 4

Light Fighter: 5

Fighter: 5

Heavy Fighter: 4

Lifboats: 43

Turbolift (8 person): 25

Lifboat (10 person): 13

Lifboat (20 person): 5

Lifboat (30 person): 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 0.93

Stellar Survey: 0.77

Short Range: 1.24

Long Range: 1.02

Navigation: 1.24

Special: 1.26

Computers: 2

Type: Daystrom Duotronic 1-III:e

Type: Daystrom Duotronic 1-II:l

ECM Index: 1.21

Shield Rating:

Shield Index: 0.59

Holdoff Power: 1.96x1012 W

Refresh Rate: 5.58x1011 W

Breakdown Rate: 6.7x1011 W

Shield Dimensions (Meters)

Length: 352.1 m

Width: 212.6 m

Height: 82.3 m

Weapons:

Phaser Power Index: 1.22

Photon Power Index: 0.00

Vessel Power Index: 0.61

Weapon Placement:

Beam (Phasers) Total: 6 banks 2 each

Output: 5x1011 W 2.5x1011 W

Range: 2.5x105 km

Rate of Fire: 30 ppm/Cont.

Forward Banks: 2

Rear Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (MegaPhasers) Total: 2

Output: 2.6x1012 W 1.3x1012 W

Range: 1x106 km

Rate of Fire: 15 ppm

Forward/Rear Banks: 2

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

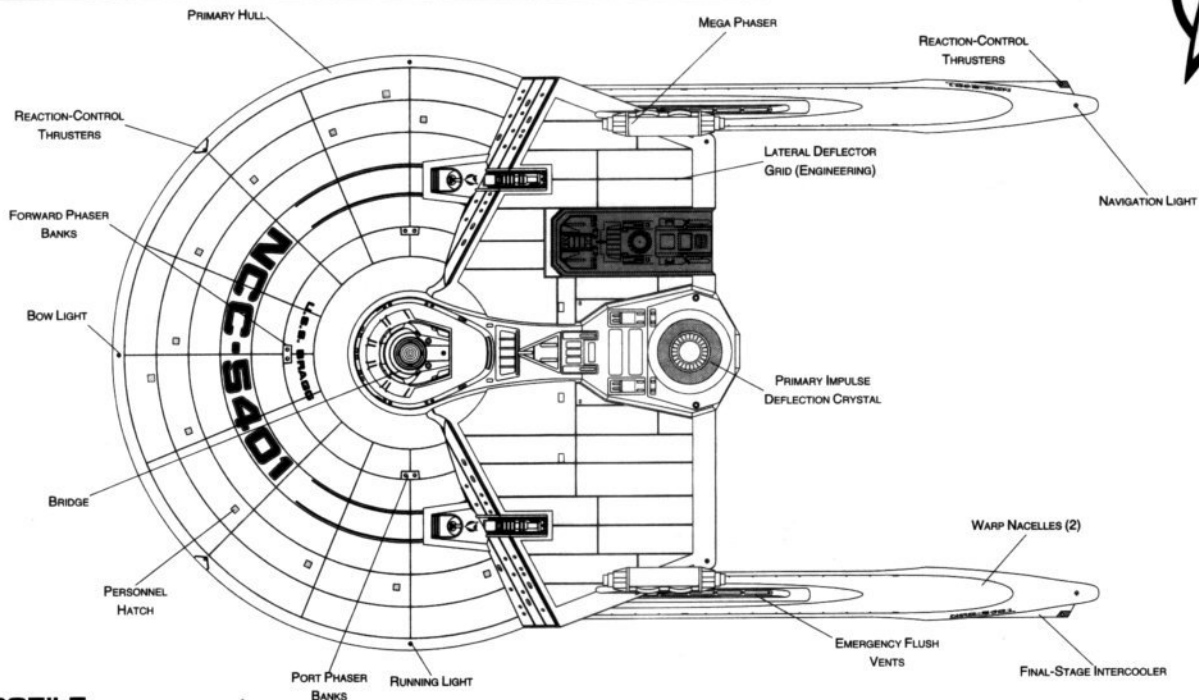
Lower Bay: 0

FEDERATION VESSEL

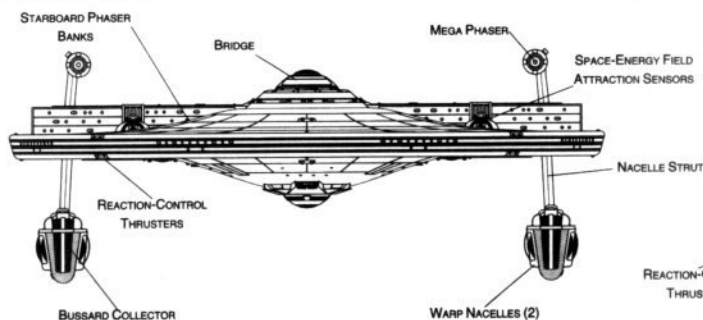
FRIGATE



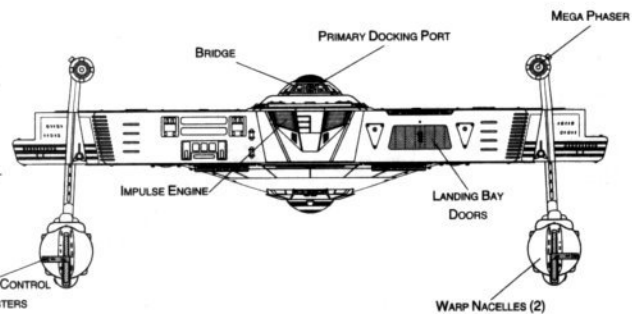
BRAGG CLASS



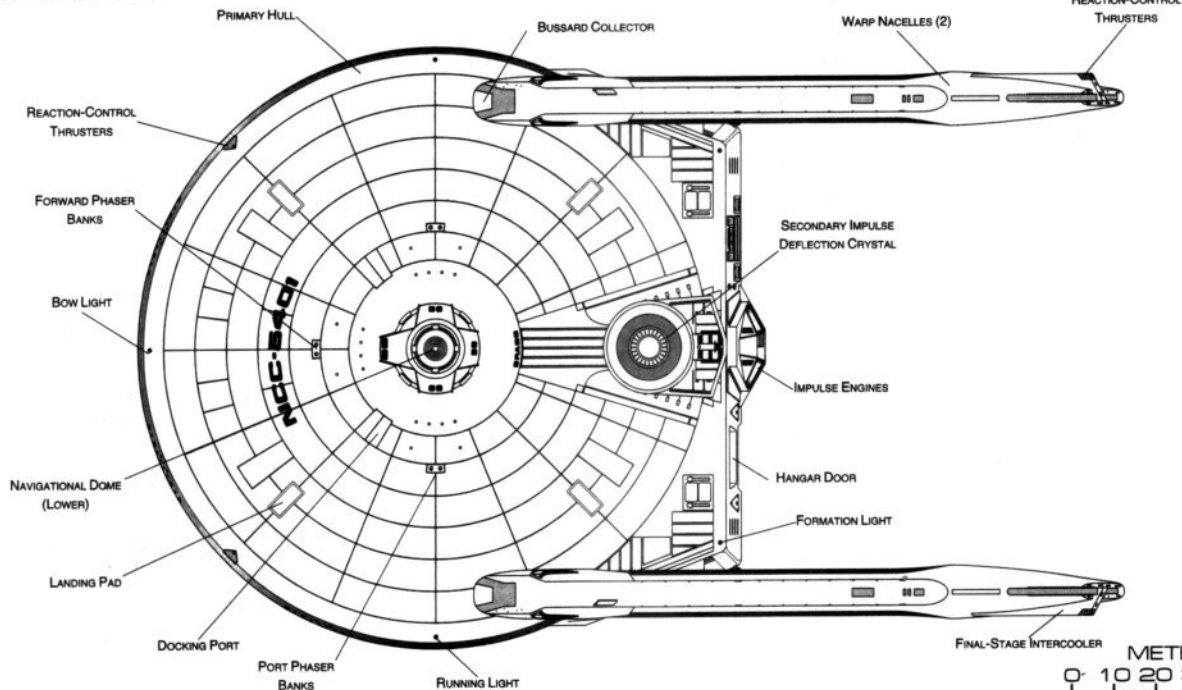
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40 50
SCALE 1:1800

FEDERATION VESSEL



Ship Names

THE FOLLOWING SHIPS OF THE MK-XLIIa CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2267.8

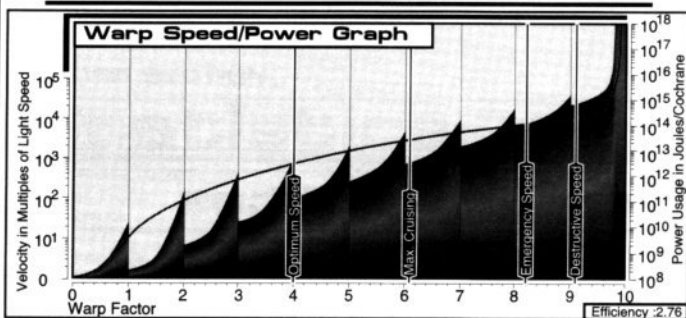
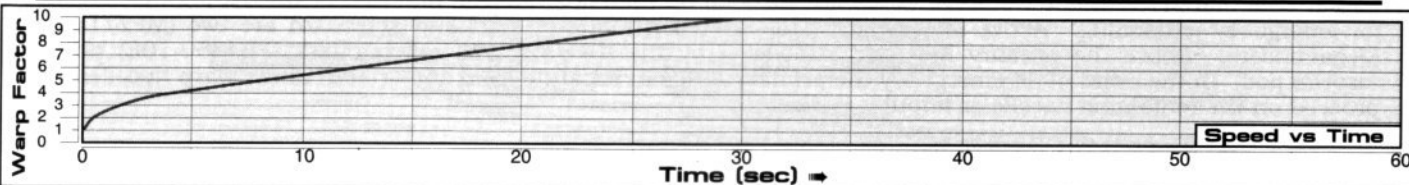
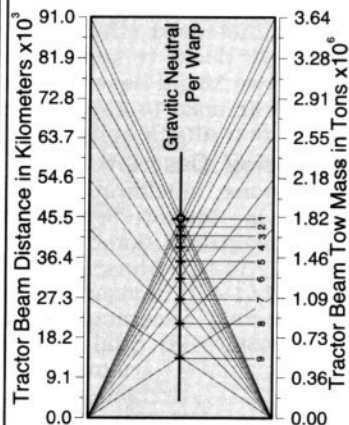
AGATON •NCC-5433	ERIE •NCC-5475***	ORD •NCC-5448	SUOMENLINNA •NCC-5447
AGRA •NCC-5439	FAN LAU •NCC-5429	OSWEGO •NCC-5465***	SVARTHOLMA •NCC-5431
AMHERST •NCC-5432	FESTUNG •NCC-5435	OUIATENON •NCC-5472***	TAKU •NCC-5420
ARAD •NCC-5411	GARRY •NCC-5413	PEPPERRELL •NCC-5477***	TILBURY •NCC-5418
BABRUYSK •NCC-5473***	GASPEREAU •NCC-5412	PHELSHIT •NCC-5438	TOWNSEND •NCC-5466***
BATTLEFORD •NCC-5470***	GEORGE •NCC-5415	PRESIDIO •NCC-5405	TREGANTLE •NCC-5457***
BELAN •NCC-5426	GOLKONDA •NCC-5423	QAL'AT AL-BAHRAIN •NCC-5421	TRUMBULL •NCC-5467***
BENGHISA •NCC-5419**	GRANGE •NCC-5464***	RAIGAD •NCC-5458***	TURKU •NCC-5408
BOKAR •NCC-5425	HALIFAX •NCC-5422	RANIKOT •NCC-5455***	YEHIAM •NCC-5414
BRAGG •NCC-5401	KORELA •NCC-5427	REVELIN •NCC-5479***	
CALGARY •NCC-5468***	KRONSTADT •NCC-5454***	RIFFA •NCC-5416	
CANNING •NCC-5428	LANGSTONE •NCC-5481***	RINELLA •NCC-5461***	
CAPUZZO •NCC-5476***	LIERRE •NCC-5409	ROTTERDAM •NCC-5440	
CARLSTEN •NCC-5451***	LOVRIJENAC •NCC-5402	SAALBURG •NCC-5474***	
CUMBERLAND •NCC-5482***	MCHENRY •NCC-5459***	SAINT ANNE •NCC-5434	
DARNET •NCC-5442	MCNAB •NCC-5456***	SAN CRISTOBAL •NCC-5463***	
DAULATABAD •NCC-5445	MACON •NCC-5453***	SAN FELIPE •NCC-5424	
DAUPHIN •NCC-5417	MALDEN •NCC-5444	SASKATCHEWAN •NCC-5400	
DE JOUX •NCC-5478***	MATANZAS •NCC-5441	SHOREHAM •NCC-5471***	
DELIMARA •NCC-5404	MEIGS •NCC-5460***	SIGNAL HILL •NCC-5406	
DETROIT •NCC-5407	MONCKTON •NCC-5462***	SILOSO •NCC-5483***	
DIX •NCC-5403	MONMOUTH •NCC-5452***	SNEILING •NCC-5410	
DUQUESNE •NCC-5469***	NASHWAAK •NCC-5443	STABROECK •NCC-5480***	
EDWARD •NCC-5450***	NEWHAVE •NCC-5446	STEEL •NCC-5449***	
ELSON •NCC-5430	NIAGARA •NCC-5437	STEBEN •NCC-5436	

*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

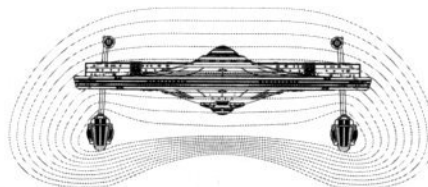
FRIGATE

Tractor Beam Specifications

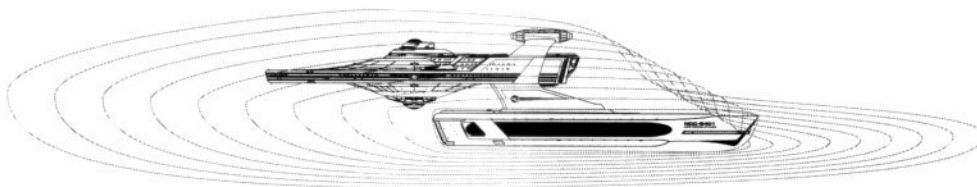
Primary Tractor Beam Load Calculator



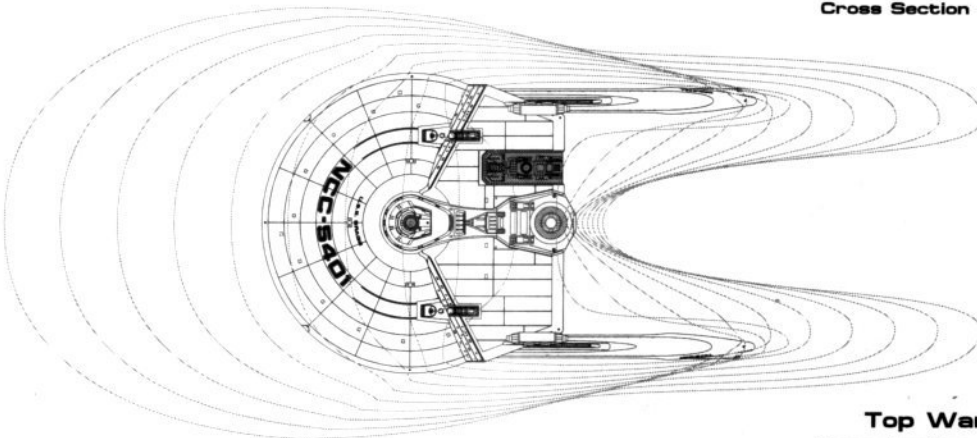
Field Length 464.82m
Field Width 202.36m
Field Height 85.76m



Front Warp Field Profile
Cross Section Area 13820.46 m²



Port Warp Field Profile
Cross Section Area 26392.94 m²



Top Warp Field Profile
Cross Section Area 66267.22 m²

TRANSPORT / TUG

General Information

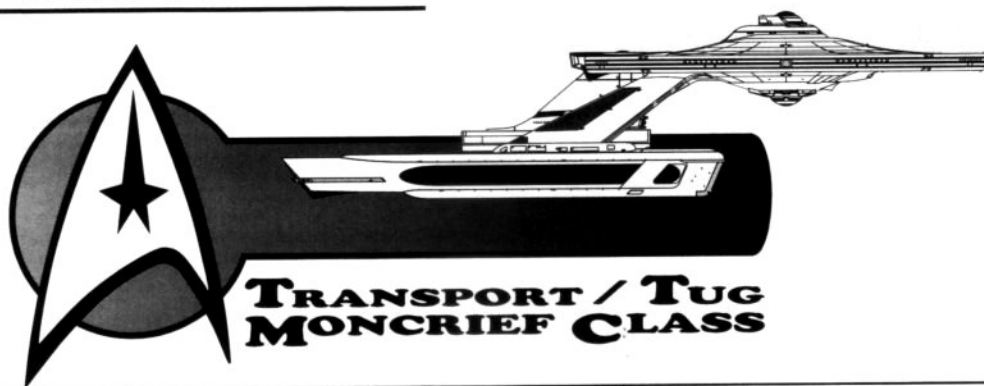


Specific Role: The Transport/Tug is the Federation's most widely used supply line vessel. Starfleet depends upon the reliability of this vessel since it spends the least amount of time of any starship in port, even when compared to the busiest of military vessels. The Transport/Tug has additional staterooms to accommodate passengers. The tug is able to carry up to four containers by manipulating its warp field, but at a reduction of top speed. The tug is also equipped with a heavy duty tractor beam designed for extra range and tonnage.

Physical Description: The Transport's (PH147/C-C3) primary hull contains additional passenger accommodations and a small hangar deck located on the upper starboard side. The primary hull is equipped with the (BS10/T-E5) bridge containing additional navigation and field manipulation instrumentation. On the lower part of the primary hull is the (SM49/2A) main sensor array and (DN4/2D) navigational dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. To the rear of the primary hull are (IRF35E/4-QW) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessels' warp fields are generated by two (SW52/1-5NZ) warp nacelles attached to the primary hull by (DU/35-6Q) support pylons. Attached below the primary hull by the (DU/50-48C) connecting dorsal is a (AP3/T-3) container attachment plate. Located inside the dorsal, for emergency jettisoning, are the (M15/8-2E) intermix chamber and (AM8/36-4U) matter/antimatter storage tanks. Nestled between the dorsal and the attachment plate is a forward facing (PB2/25-10J) photon torpedo bay. In the event of an emergency, one or both nacelles can be jettisoned. Once separated the primary hull can maneuver on the remaining warp nacelle or impulse power for extended periods of time.

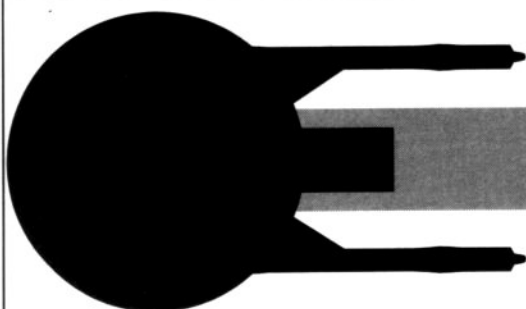
For additional detail refer to Datasheet MVA-2

Class Emblem

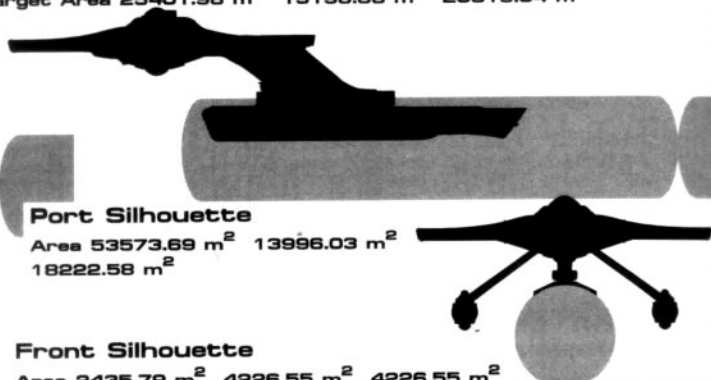


Ship Silhouettes

Total Target Area 76205.95 m² 45596.64 m² 60957.12 m²
Average Target Area 25401.98 m² 15198.88 m² 20319.04 m²



Top Silhouette
Area 20196.47 m² 27374.06 m² 38507.99 m²



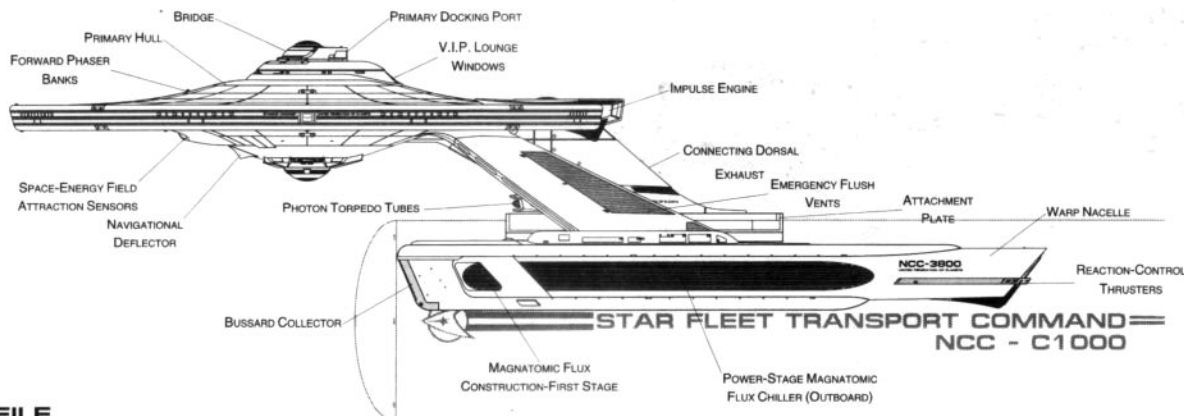
Port Silhouette
Area 53573.69 m² 13996.03 m²
18222.58 m²

Front Silhouette
Area 2435.79 m² 4226.55 m² 4226.55 m²

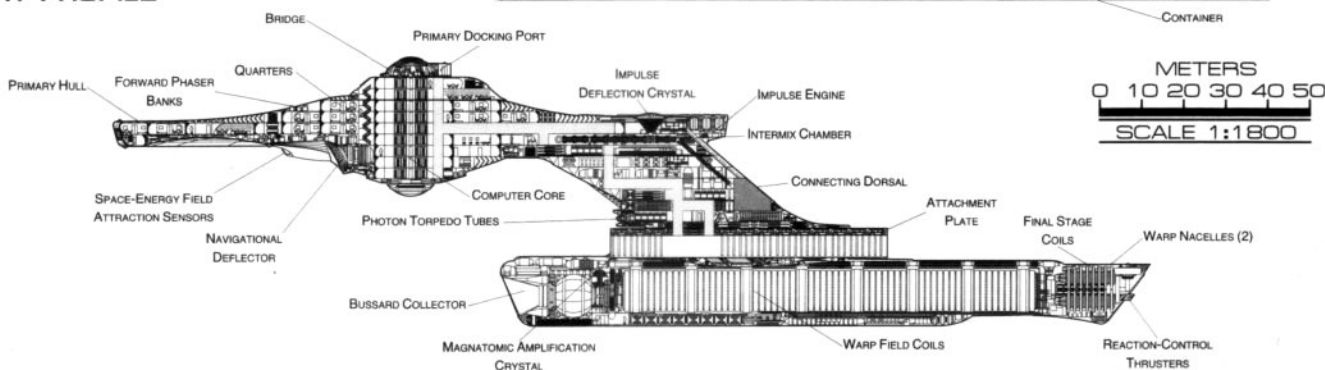


TRANSPORT / TUG

MONCRIEF CLASS



PORT PROFILE



CROSS SECTION

Statistics

Classification: Trans/Tug

Category: Trans /Tug

Class: Moncrief

Type: Class1

Model: MK-VIa

Naval Construction Contract: 3800

Number Proposed: 100

Number Constructed: 100

Number in Service: 97

Number Lost: 3

Dimensions:

Overall Dimensions (Meters)

Length: 247.11 m

Width: 141.72 m

Height: 63.97 m

Primary Hull Dimensions (Meters)

Length: 146.31 m

Width: 141.72 m

Height: 32.94 m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 154.81 m

Width: 12.63 m

Height: 18.32 m

Displacement (Metric Tons)

Light: 136634 mt

Standard: 146388 mt

Full Load: 163415 mt

Performance:

Impulse Units: Dual Unit (IRF35E/4-QW)

Impulse Engine Output: 7.8×10^{13} W

Impulse Power Index: 1.35

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.148 sec.

0.25-0.50 Impulse: 0.222 sec.

0.50-0.75 Impulse: 0.296 sec.

0.75-Full Impulse: 0.371 sec.

Warp Units: 2 Nacelle Units (SW52/1-5NZ)

Warp Engine Output: 1.2×10^{15} W

Warp Power Index: 1.35

Optimum Speed: 4

Max. Safe Cruising: 6

Emergency Speed: 7.5

Max. Speed: 9.1

Destructive Speed: 9.2

Acceleration Power: 3

Acceleration Times:

Warp 1 - Warp 2: 0.148 sec.

Warp 2 - Warp 3: 0.237 sec.

Warp 3 - Warp 4: 0.897 sec.

Warp 4 - Warp 5: 1.289 sec.

Warp 5 - Warp 6: 1.378 sec.

Warp 6 - Warp 7: 1.489 sec.

Warp 7 - Warp 8: 1.912 sec.

Warp 8 - Warp 9: 2.734 sec.

Warp 9 - Warp 9.5: 6.077 sec.

Warp 9.5 - Warp 9.75: 7.04 sec.

Warp 9.75 - Warp 9.9: 14.599 sec.

Duration (Years)

Standard: 4 Years

Maximum: 16 Years

Std. Ships Complement: 339

Officers: 58

Crew (Ensign Grade): 281

Troops: 0

Passengers: 40

Emergency condition: + 482

Medical Facilities:

Doctors: 3

Medical Staff: 7

Operating Rooms: 2

Beds: 16

Laboratories: 6

Transporters Total: 8

1 Person: 0

2 Person: 0

6 Person: 3

12 Person: 0

22 Person: 3

Small Cargo: 1

Medium Cargo: 1

Large Cargo: 0

Super Cargo: 0

Brigs: 13

Replicators: 11

Tractor Beams: 1

Tow Capacity: 4.83×10^6 mt

Max Range: 1.52×10^5 km

Cargo Specification:

Standard Cargo Units: 187

Cargo Capacity: 9350 mt

Shuttlecraft Specifications:

Docking Ports: 3

Shuttlecraft Bays Total: 1

Small Bay: 1

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 16

Work Bees: 1

Travel Pods: 1

Aquatic Shuttle: 1

Light Shuttle: 0

Standard Shuttle: 1

Heavy Shuttle: 1

Cargo Shuttle: 1

Assault Shuttle: 2

Killer Bees: 2

Light Fighter: 2

Fighter: 2

Heavy Fighter: 2

Lifeboats: 34

Turbolift (8 person): 18

Lifeboat (10 person): 11

Lifeboat (20 person): 5

Lifeboat (30 person): 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 0.97

Stellar Survey: 0.86

Short Range: 0.98

Long Range: 0.88

Navigation: 1.12

Special: 1.94

Computers: 2

Type: Daystrom Duotronic 1-III;u

Type: Daystrom Duotronic 1-II;j

ECM Index: 1.12

Shield Rating:

Shield Index: 0.90

Holdoff Power: 2.15×10^{12} W

Refresh Rate: 6.12×10^{11} W

Breakdown Rate: 7.34×10^{11} W

Shield Dimensions (Meters)

Length: 370.7 m

Width: 212.6 m

Height: 96 m

Weapons:

Phaser Power Index: 0.90

Photon Power Index: 0.00

Vessel Power Index: 0.45

Weapon Placement:

Beam (Phasers) Total: 6 banks 2 each

Output: 5×10^{11} W 2.5×10^{11} W

Range: 2.5×10^5 km

Rate of Fire: 30 ppm/Cont.

Forward Banks: 2

Rear Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 1

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

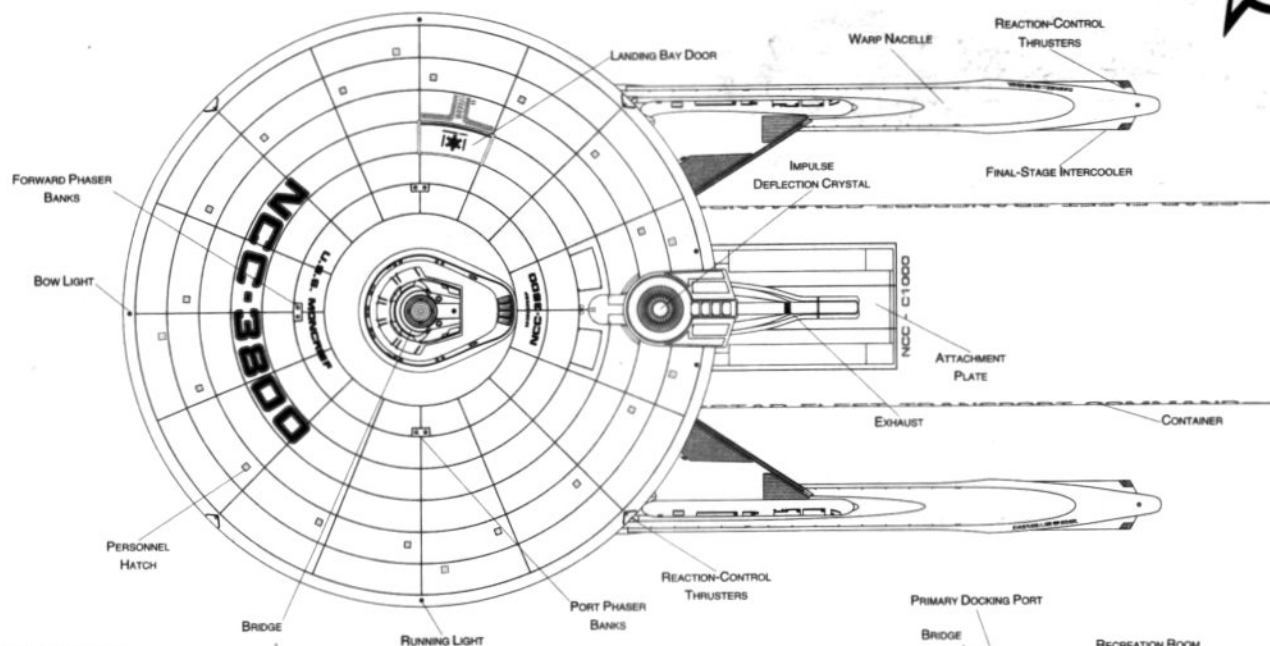
Lower Bay: 0

FEDERATION VESSEL

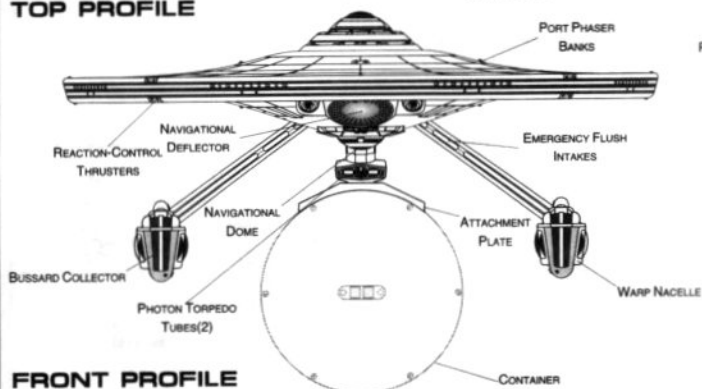
TRANSPORT / TUG



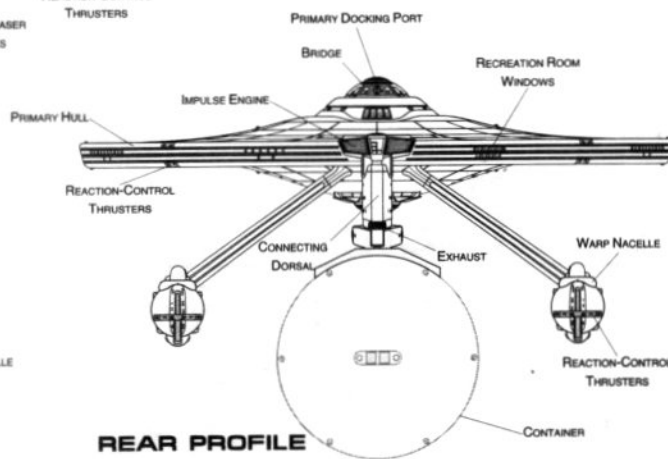
MONCRIEF CLASS



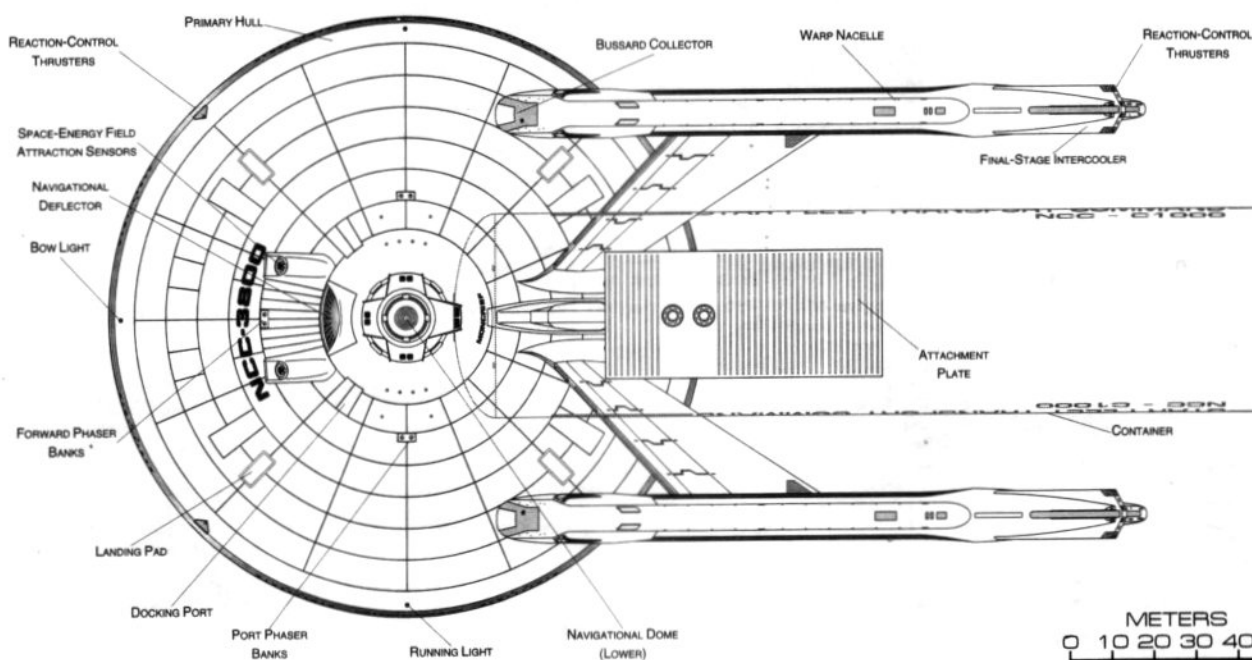
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40 50
SCALE 1:1800

FEDERATION VESSEL



TRANSPORT / TUG

Ship Names

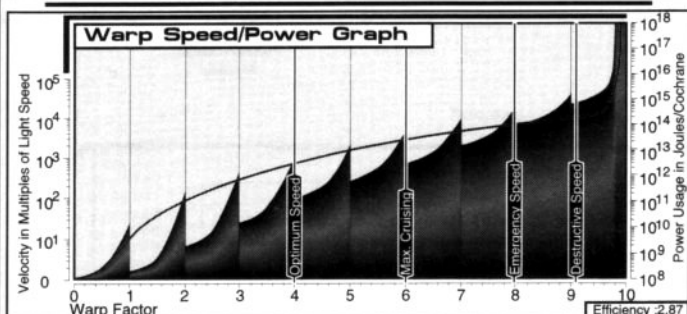
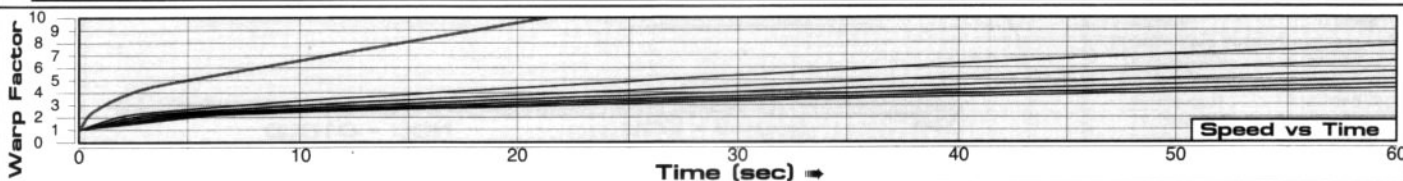
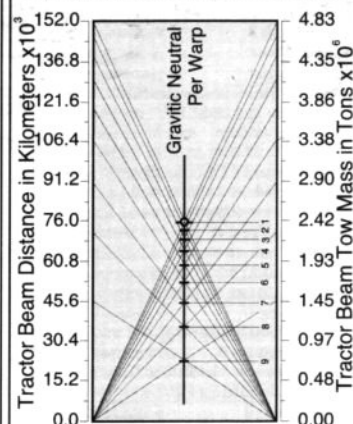
THE FOLLOWING SHIPS OF THE MK-VIa CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2266.7

AIRY •NCC-3842	DREYER •NCC-3899	JEFFREY •NCC-3835	PTOLEMY •NCC-3801
AL RASHID •NCC-3802	EDDINGTON •NCC-3845	KAULA •NCC-3889	PYTHAGORAS •NCC-3812
AMBARTSUMIAN •NCC-3817	ENCKE •NCC-3859	KEPPLER •NCC-3816	REBER •NCC-3892
ANAXAGORAS •NCC-3803	ERATOSTHENES •NCC-3807	KIDINNU •NCC-3826	RICCIOLI •NCC-3823
ANAXIMANDER •NCC-3804	FLAMARION •NCC-3818	KLEPSTRA •NCC-3862	RITTENHOUSE •NCC-3851
APIAN •NCC-3896	FRACASTOR •NCC-3872	KRUGER •NCC-3871	ROSS •NCC-3865
ARISTARCHUS •NCC-3805	GAILLOT •NCC-3832	KUIPER •NCC-3836	SABINE •NCC-3879
BAADE •NCC-3855	GAILLEI •NCC-3808	LAPLACE •NCC-3876	SAVARY •NCC-3839
BAYER •NCC-3869	GALLE •NCC-3886	LEAVITT •NCC-3849	SCHNEIDER •NCC-3893
BIELA •NCC-3884	GAUTIER •NCC-3846	LEVERRIER •NCC-3828	SCHIAPARELLI •NCC-3819
BONDI •NCC-3843	GOLDRICKE •NCC-3858	LOCKYER •NCC-3890	SCHMIDT •NCC-3880
BRAHE •NCC-3821	HALE •NCC-3873	LUYTEN •NCC-3829	SECCHI •NCC-3852
BROUWER •NCC-3897	HALLEY •NCC-3833	MESSIER •NCC-3830	SHKLOVSKY •NCC-3866
CAMPBELL •NCC-3856	HAYASHI •NCC-3887	MITCHELL •NCC-3863	STRUVE •NCC-3840
CARRINGTON •NCC-3870	HENCKE •NCC-3847	MONCRIEF •NCC-3800*	SWIFT •NCC-3894
CASSINI •NCC-3824	HERSCHELL •NCC-3860	NEWCOMB •NCC-3877	THALES •NCC-3813
CHAMBERLAIN •NCC-3883	HEVELIUS •NCC-3814	NEWTON •NCC-3822	TOMBAUGH •NCC-3853
CHAUVENET •NCC-3844	HIPPARCHUS •NCC-3809	OORT •NCC-3837	TOSCANELLI •NCC-3867
CLARK •NCC-3898	HIRAYAMA •NCC-3874**	PALITZSCH •NCC-3891	ULUGH BEG •NCC-3810
COLUMBO •NCC-3857	HOLDEN •NCC-3834	PEALE •NCC-3850	VAN DE KAMP •NCC-3881
COPERNICUS •NCC-3815	HUBBARD •NCC-3888	PHILOLOUS •NCC-3811**	VOGEL •NCC-3841
DESANDRES •NCC-3820	HUBBLE •NCC-3848	PIAZZI •NCC-3827	VON ZACH •NCC-3882
DOLLFUS •NCC-3885	HUMANSOON •NCC-3861	PICKERING •NCC-3864	WALKER •NCC-3895
DONATI •NCC-3825	IBN DAUD •NCC-3806	POPPER •NCC-3878	WOLASTON •NCC-3854
DOPPLER •NCC-3831**	JANSKI •NCC-3875	PRITCHETT •NCC-3838	WRIGHT •NCC-3868

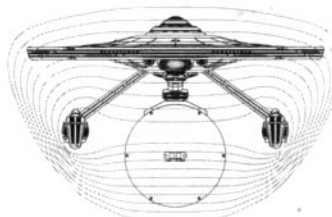
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

Tractor Beam Specifications

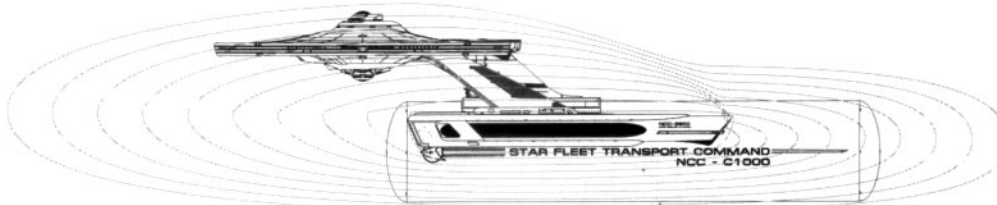
Primary Tractor Beam Load Calculator



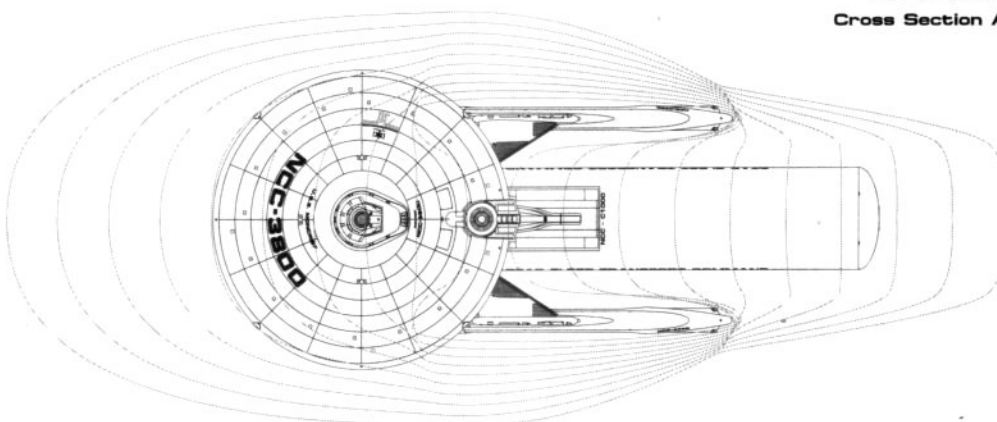
Field Length 476.26m
Field Width 159.54m
Field Height 101.22m



Front Warp Field Profile
Cross Section Area 12776.54 m²



Port Warp Field Profile
Cross Section Area 35078.55 m²



Top Warp Field Profile
Cross Section Area 69925.22 m²

HEAVY TRANSPORT / TUG



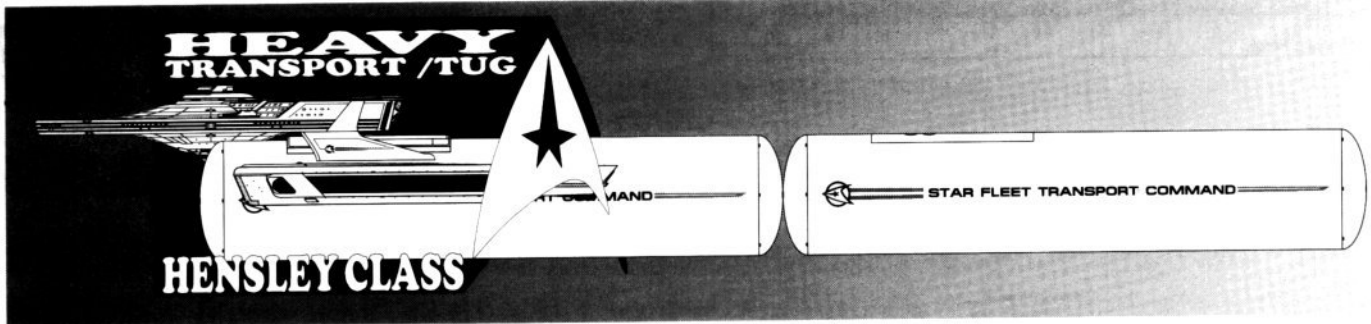
General Information

Specific Role: The ever increasing tonnage of equipment and supplies called for the design of a heavier transport/tug vessel. The Heavy Transport/Tug's internal arrangement allows additional passenger accommodations and even a few staterooms. Although slower than the Transport/Tug, the towing capacity has doubled while maintaining the same power consumption. The tug is able to carry up to six containers by manipulating it's warp field to cover the additional containers, but with a reduction of top speed. The tug is also equipped with a heavy duty tractor beam designed for extreme range and tonnage.

Physical Description: The Transport/Tug incorporates an (PHE147/W-T2) extended primary hull equipped which contains additional passenger accommodations. The primary hull is equipped with the (BS9/F-R5) bridge that contains additional navigation stations and multiple field manipulation instrumentation. Mounted on the underside of the primary hull is the integrated (SM49/6S) main sensor array and (DN4/2-T) navigation dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. Port and starboard on the upper primary hull forward of the raised extension, are the (DN2/T-5.2) navigational deflector/space-energy field attraction sensors used to assist the navigational shields in deflecting oncoming debris and monitor space-energy fields. Mounted on the rear of the primary hull are (IP186E/5-MN) dual impulse units which are used for auxiliary power and sub-light propulsion. Situated to the rear of the primary hull on the starboard side of the impulse engines, is a medium hangar deck. The vessels's warp fields are generated by two (SW52/1-5RG) warp nacelles attached to the primary hull by (DU/25-6G) support pylons. Within the primary hull are the (M28/4-2Y) intermix chamber and (AM8/36-4S) matter/antimatter storage tanks. The matter/antimatter storage tanks are situated on the bottom of the hull just below the impulse engines for emergency jettisoning. Below the primary hull are two (AP3/T-3) container attachment plates connected by two (DU/20-16A) connecting dorsals. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

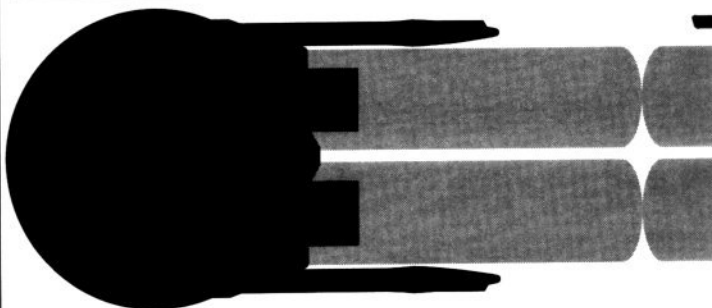
For additional detail refer to Datasheet MVA-3

Class Emblem

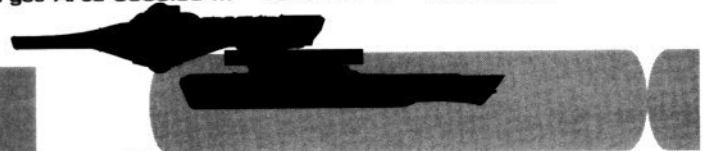


Ship Silhouettes

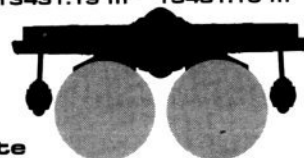
Total Target Area 28678.49 m² 45544.13 m² 54107.74 m²
Average Target Area 9559.50 m² 15181.37 m² 18035.91 m²



Top Silhouette
Area 20866.54 m² 27637.08 m² 34407.62 m²



Port Silhouette
Area 5129.15 m² 13431.19 m² 13431.19 m²

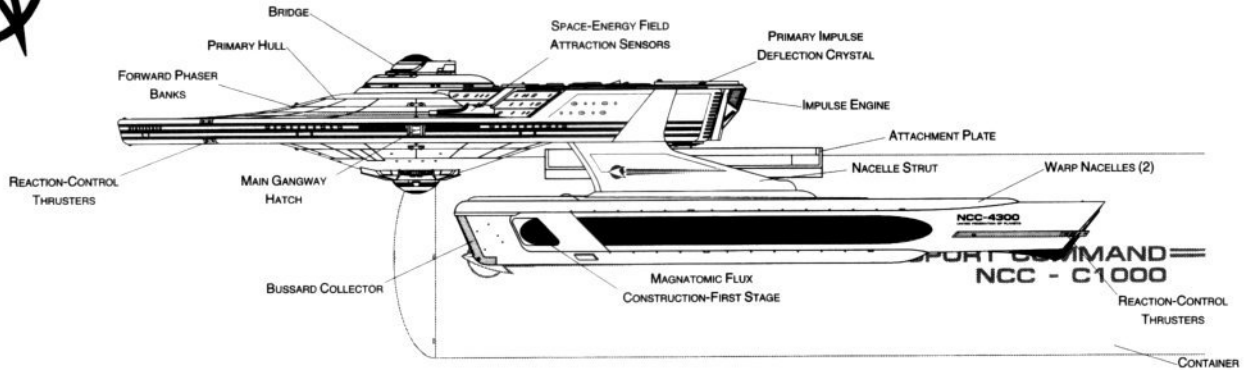


Front Silhouette
Area 2682.80 m² 4475.86 m² 6268.93 m²



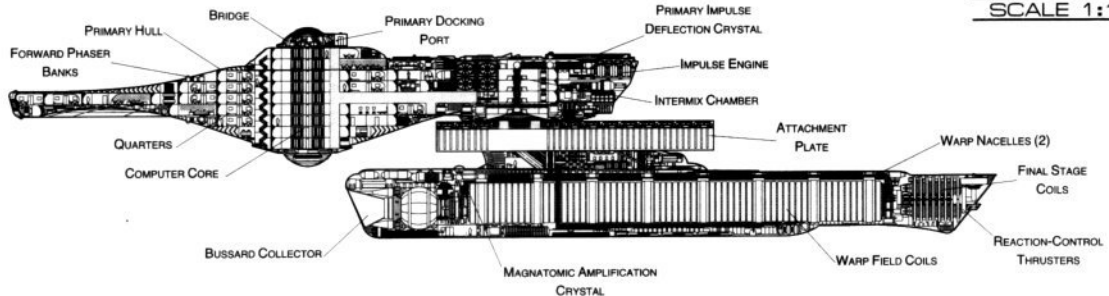
HEAVY TRANSPORT / TUG

HENSLEY CLASS



PORT PROFILE

METERS
0 10 20 30 40 50
SCALE 1:1800



CROSS SECTION

Statistics

Classification: Heavy Trans/Tug
Category: Trans /Tug
Class: Hensley
Type: Class1
Model: MK-Va
Naval Construction Contract: 4300
Number Proposed: 96
Number Constructed: 70
Number in Service: 69
Number Lost: 1

Dimensions:

Overall Dimensions (Meters)
Length: 234.74 m
Width: 141.72 m
Height: 54.89 m
Primary Hull Dimensions (Meters)
Length: 149.42 m
Width: 141.72 m
Height: 32.94 m
Secondary Hull Dimensions (Meters)
Length: N/A
Width: N/A
Height: N/A
Warp Unit Dimensions (Meters)
Length: 154.81 m
Width: 12.63 m
Height: 18.32 m
Displacement (Metric Tons)
Light: 192031 mt
Standard: 205740 mt
Full Load: 229671 mt

Performance:

Impulse Units: Dual Unit (IP186E/5-MN)
Impulse Engine Output: 7.8×10^{13} W
Impulse Power Index: 0.96
Max Cruising: C
Acceleration Rate:
0.00-0.25 Impulse: 0.208 sec.
0.25-0.50 Impulse: 0.312 sec.
0.50-0.75 Impulse: 0.417 sec.
0.75-Full Impulse: 0.521 sec.
Warp Units: 2 Nacelle Units (SW52/1-5RG)
Warp Engine Output: 1.2×10^{15} W
Warp Power Index: 0.96

Optimum Speed: 4
Max. Safe Cruising: 6
Emergency Speed: 8
Max. Speed: 9.19
Destructive Speed: 9.29
Acceleration Power: 3
Acceleration Times:
Warp 1 - Warp 2: 0.208 sec.
Warp 2 - Warp 3: 0.333 sec.
Warp 3 - Warp 4: 1.26 sec.
Warp 4 - Warp 5: 1.812 sec.
Warp 5 - Warp 6: 1.937 sec.
Warp 6 - Warp 7: 2.093 sec.
Warp 7 - Warp 8: 2.687 sec.
Warp 8 - Warp 9: 3.843 sec.
Warp 9 - Warp 9.5: 8.54 sec.
Warp 9.5 - Warp 9.75: 9.894 sec.
Warp 9.75 - Warp 9.9: 20.517 sec.

Duration (Years)

Standard: 4 Years
Maximum: 16 Years
Std. Ships Complement: 451
Officers: 77
Crew (Ensign Grade): 374
Troops: 0
Passengers: 50
Emergency condition: + 637

Medical Facilities:

Doctors: 3
Medical Staff: 7
Operating Rooms: 2
Beds: 16

Laboratories:

Laboratories: 8
Transporters Total: 11
1 Person: 0
2 Person: 0
6 Person: 4
12 Person: 0
22 Person: 4
Small Cargo: 1
Medium Cargo: 1
Large Cargo: 0
Super Cargo: 0

Brigs:

Replicators: 16
Tractor Beams: 1
Tow Capacity: 3.67×10^6 mt
Max Range: 1.68×10^5 km

Cargo Specification:

Standard Cargo Units: 291
Cargo Capacity: 14550 mt

Shuttlecraft Specifications:

Docking Ports: 3
Shuttlecraft Bays Total: 1
Small Bay: 1
Medium Bay: 0
Large Bay: 0
Super Bay: 0
Shuttlecraft Standard: 16
Work Bees: 1
Travel Pods: 1
Aquatic Shuttle: 1
Light Shuttle: 0
Standard Shuttle: 1
Heavy Shuttle: 1
Cargo Shuttle: 1
Assault Shuttle: 2
Killer Bees: 2
Light Fighter: 2
Fighter: 2
Heavy Fighter: 2
Lifeboats: 46
Turbolift (8 person): 26
Lifeboat (10 person): 14
Lifeboat (20 person): 6
Lifeboat (30 person): 0

Cloaking Devices:

Sensor Index Values:
Planetary Survey: 0.97
Stellar Survey: 0.86
Short Range: 0.98
Long Range: 0.88
Navigation: 1.12
Special: 1.94

Computers:

Type: Daystrom Duotronic 1-III:c
Type: Daystrom Duotronic 1-II:p

ECM Index:

1.12

Shield Rating:

Shield Index: 0.45
Holdoff Power: 1.53×10^{12} W
Refresh Rate: 4.35×10^{11} W
Breakdown Rate: 5.22×10^{11} W
Shield Dimensions (Meters)
Length: 352.1 m
Width: 212.6 m
Height: 82.3 m

Weapons:

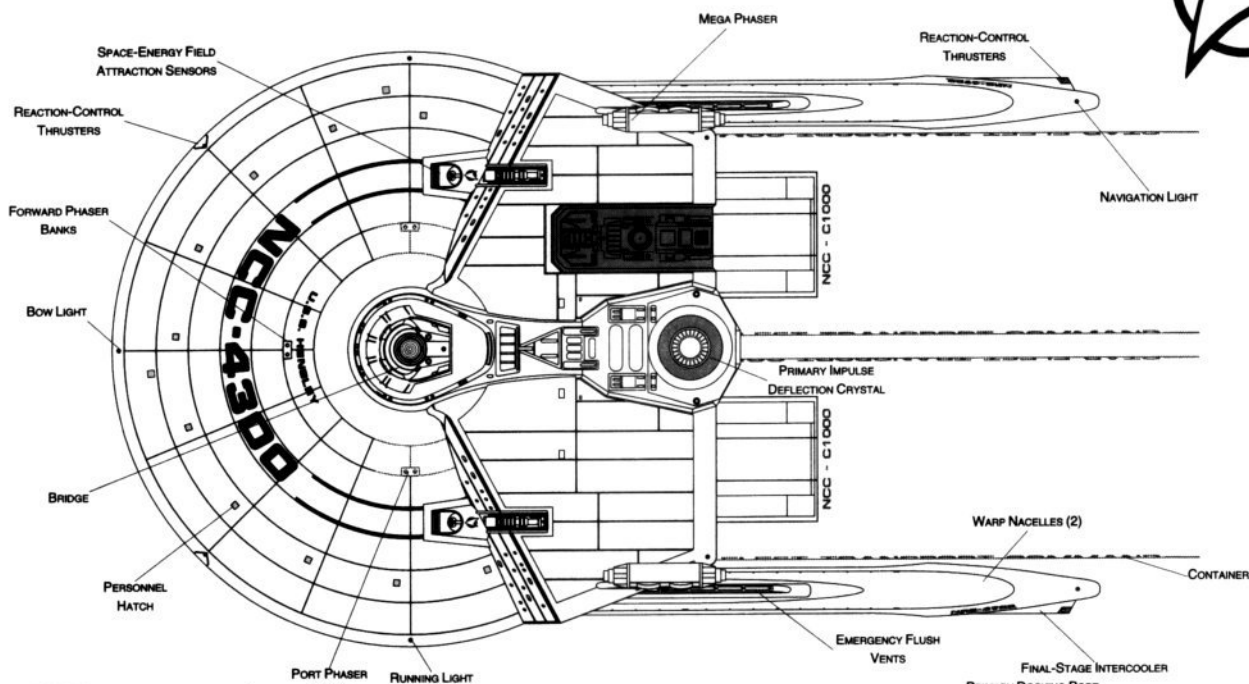
Phaser Power Index: 0.64
Photon Power Index: 0.00
Vessel Power Index: 0.32
Weapon Placement:
Beam (Phasers) Total: 6 banks 2 each
Output: 5×10^{11} W 2.5×10^{11} W
Range: 2.5×10^5 km
Rate of Fire: 30 ppm/Cont.
Forward Banks: 2
Rear Banks: 0
Port Banks: 2
Starboard Banks: 2
Upper Banks: 0
Lower Banks: 0
Beam (MegaPhasers) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A
Forward/Rear Banks: 0
Port/Starboard Banks: 0
Upper/Lower Banks: 0
Torpedoes (Photon) Total: N/A
Stock: N/A
Range: N/A
Output: N/A
Rate of Fire: N/A
Forward Bay: 0
Rear Bay: 0
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

FEDERATION VESSEL

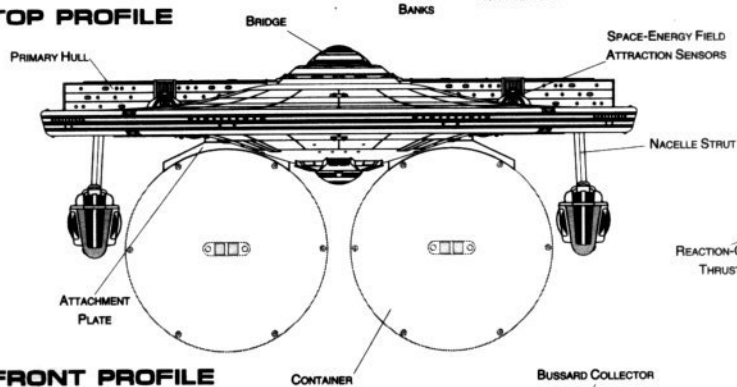
HEAVY TRANSPORT / TUG



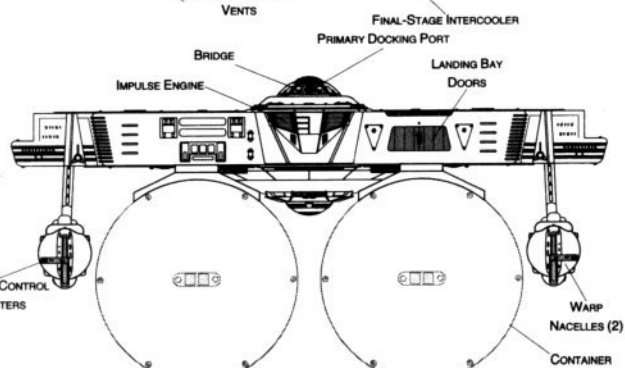
HENSLEY CLASS



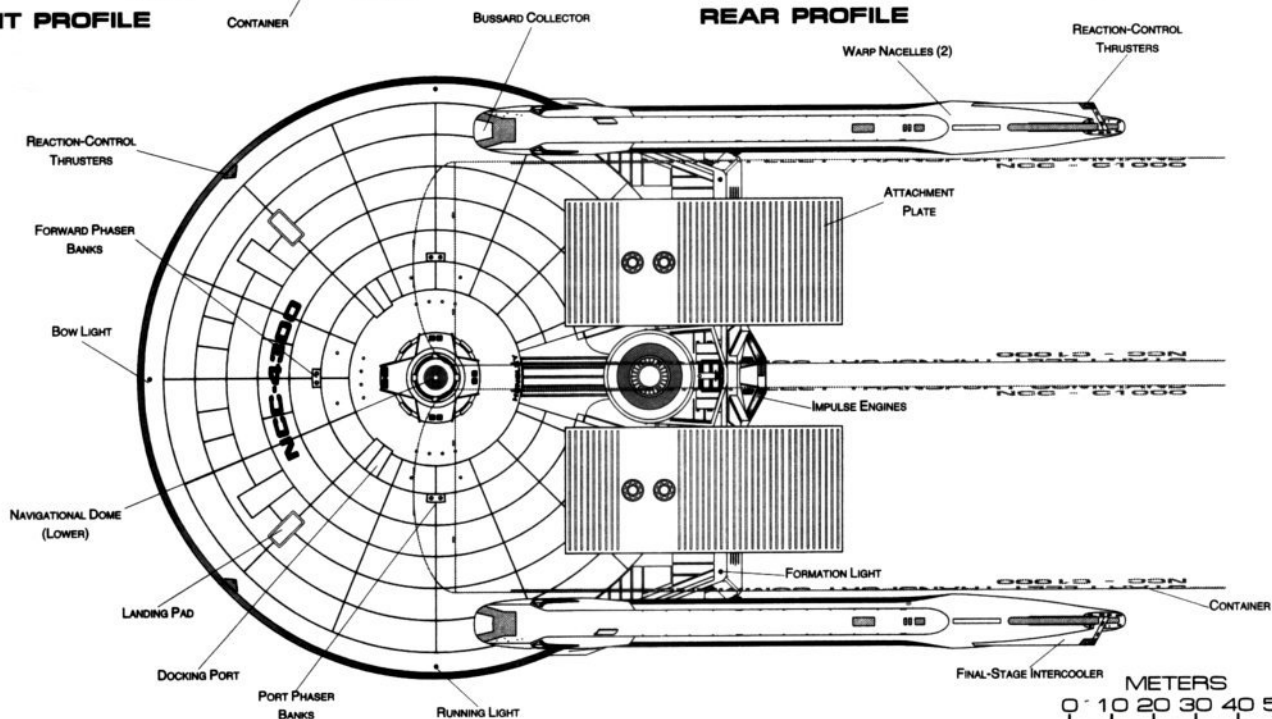
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40 50
SCALE 1:1800

FEDERATION VESSEL



HEAVY TRANSPORT / TUG

Ship Names

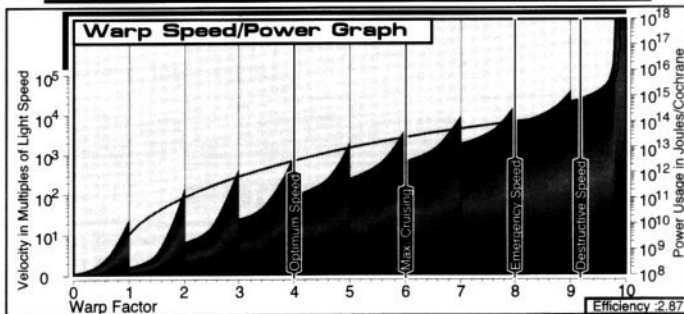
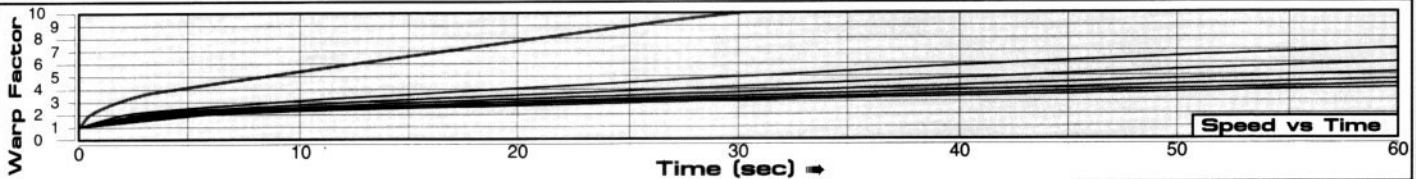
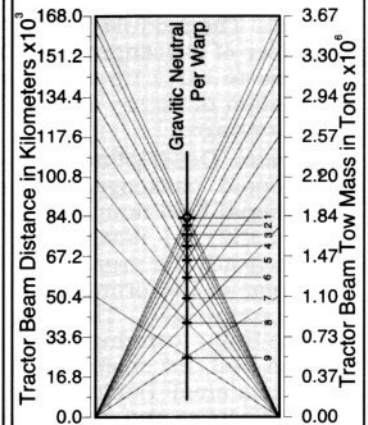
THE FOLLOWING SHIPS OF THE MK-Va CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2268.6

ABERDEEN • NCC-4357	DUNLAP • NCC-4372***	MANSFIELD • NCC-4370	STANNERS • NCC-4334
ALLAWAY • NCC-4310	EICHHORST • NCC-4336	MAYERS • NCC-4387***	STAR OF INDIA • NCC-4362
ALLEGOOD • NCC-4302	FLEICHMAN • NCC-4365	McCULLOUGH • NCC-4304	STODDARD • NCC-4379***
ALLISON • NCC-4381***	FRANCISCO • NCC-4363	McGONOGLE • NCC-4323	STRIPLING • NCC-4366
ARMIN • NCC-4338	FROHWEIN • NCC-4307	MEAD • NCC-4349	SYLVESTER • NCC-4325
BOHEME • NCC-4328	FULLER • NCC-4305	MEDLEY • NCC-4306	TERRY • NCC-4360
BOSNEA • NCC-4369	GRANT • NCC-4312	MEELER • NCC-4320	TORRES • NCC-4322
BOYET • NCC-4373***	GRELIER • NCC-4327	MORAVIA • NCC-4355	USHER • NCC-4343
BREMEN • NCC-4345	GRIZZLY • NCC-4395***	MOSELY • NCC-4316**	VAN WINKLE • NCC-4332
BROOKS • NCC-4359	HARVEY • NCC-4317	NATHAN • NCC-4341	VOYTEK • NCC-4374***
BURKES • NCC-4339	HENBECK • NCC-4380***	PALERMO • NCC-4368	WALTMAN • NCC-4331
BURNSIDE • NCC-4313	HENSLEY • NCC-4300*	PARKS • NCC-4386***	WELCH • NCC-4371***
CALDWELL • NCC-4394***	HULLER • NCC-4389***	PRIDMORE • NCC-4392***	WHITE SANDS • NCC-4351
CASEBOLT • NCC-4318	IAN • NCC-4346	PRUSSIA • NCC-4348	WHORTON • NCC-4391***
CASSIDY • NCC-4388***	ICCABOD • NCC-4340	PYLE • NCC-4384***	WILSON • NCC-4385***
CASTILLE • NCC-4337	ISABELLA • NCC-4354	QUARLES • NCC-4350	WISELEY • NCC-4321
CATHCART • NCC-4364	JASPER • NCC-4326	QUINTELA • NCC-4375***	WOHLFELT • NCC-4315
CHAFFE • NCC-4335	JOETT • NCC-4333	RABAH • NCC-4311	WOODSINGER • NCC-4309
CHASE • NCC-4361	JONES • NCC-4356	REASORE • NCC-4353	YAUDE • NCC-4352
CHEFFER • NCC-4329	KAUFMANN • NCC-4301	RIDENOUR • NCC-4367	YOUNGBLOOD • NCC-4378***
CHELSEA • NCC-4342	KENNEDY • NCC-4303	ROGERS • NCC-4347	ZIERDT • NCC-4314
COPELAND • NCC-4358	KINGSLEY • NCC-4344	RUBLE • NCC-4324	
DAGGETT • NCC-4377***	KINNELLY • NCC-4383***	SANDRONI • NCC-4390***	
DEERE • NCC-4319	LI-CHO • NCC-4376***	SOLAR • NCC-4330	
DEWETT • NCC-4382***	LONDON • NCC-4393***	STAIRHIEME • NCC-4308	

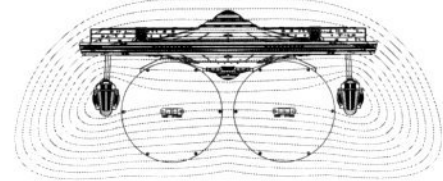
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

Tractor Beam Specifications

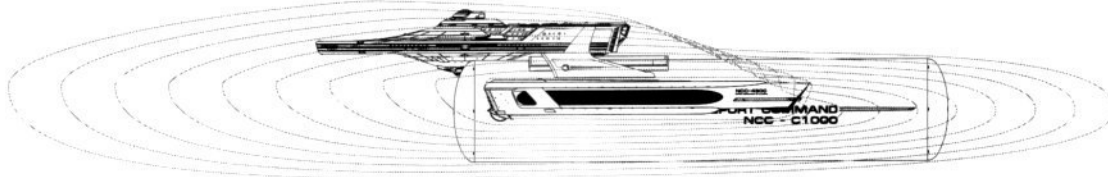
Primary Tractor Beam Load Calculator



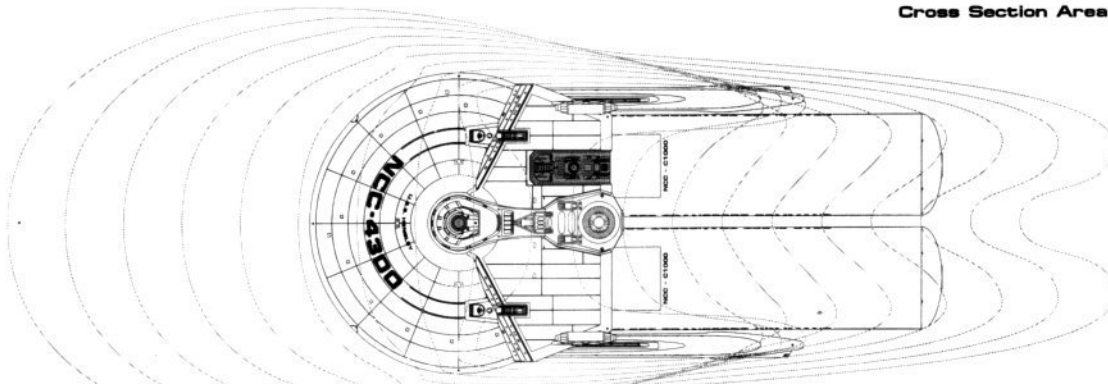
Field Length 525.78m
Field Width 202.80m
Field Height 85.76m



Front Warp Field Profile
Cross Section Area 14814.19 m²



Port Warp Field Profile
Cross Section Area 32481.35 m²



Top Warp Field Profile
Cross Section Area 80815.68 m²

CARGO DRONE

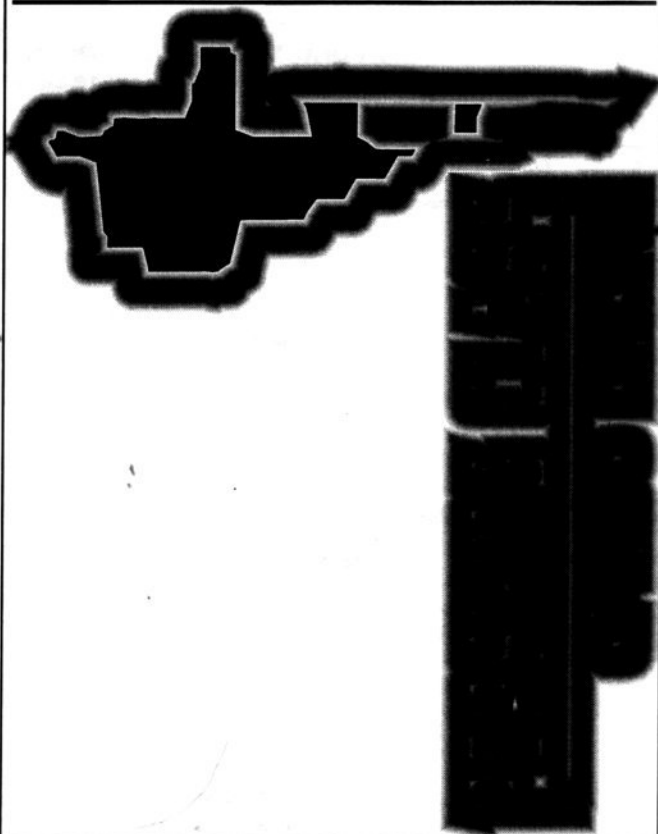


General Information

Specific Role: The Pershing class Cargo Drone is used to transport low priority cargo between inner Federation planets. Generally these vessels can be found navigating their way through commercial trade-routes at warp six. The drone's turn-around time in port is extremely fast since it does have a crew requiring leave or supplies.

Physical Description: The boxy construction of the Cargo Drone hides the efficiency of it's design. The Central tower contains an auxiliary type (CD15/C-R5) bridge, a medium hangar bay and computer core. A (SM52/12D) high gain sensor array is located immediately forward of the central tower. The (PH245/OD-1) primary hull consists mainly of standard storage with engineering section at the rear. The descending tower is the major cargo hold with hold number one and the light cargo hold located immediately forward. Two (DN5/C9) navigational deflectors are mounted on the front of the light cargo section. Holds two through five are located directly behind the lower tower in descending size. A tractor beam is mounted directly under hold number 5. The (M60/26-4H) intermix chamber is located between the the pylons with the matter/antimatter facilities at the rear. For sub-light propulsion, two (IRF35E/4-IR) single impulse drives are mounted to either side of the rear section. For warp propulsion, two (SW52/15CD) warp nacelles are mounted to either side of the engineering section on (DU/70-12F) pylons. No provisions have been made for jettisoning the warp core or nacelles since crew safety is not a concern. In the event of a warp core breach or catastrophic engine damage, a warning is broadcast on all frequencies describing the danger and distance required for safety purposes.

Class Emblem



Ship Silhouettes

Total Target Area 47441.00 m²



Top Silhouette
Area 25031.98 m²



Port Silhouette
Area 13197.66 m²

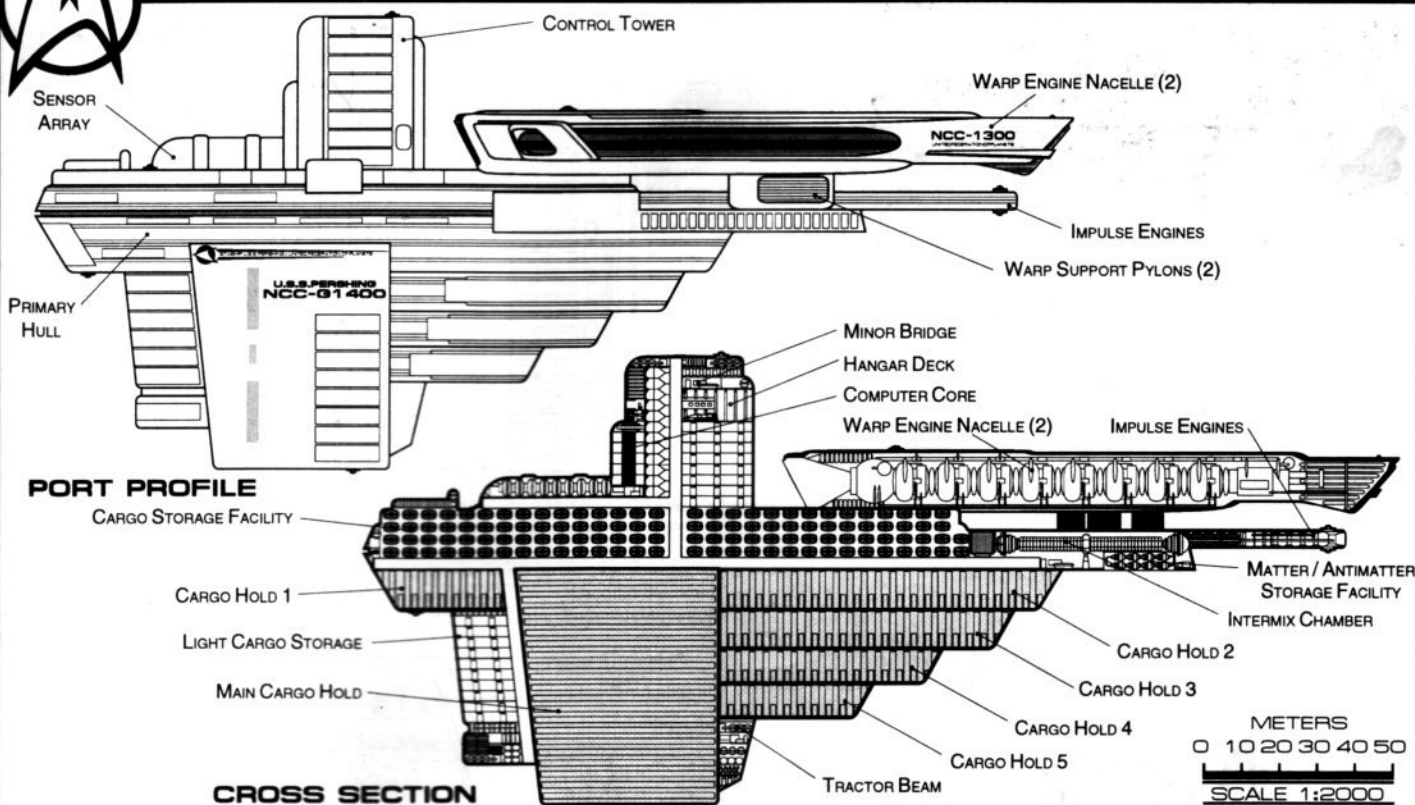


Front Silhouette
Area 9211.36 m²



CARGO DRONE

PERSHING CLASS



Statistics

Classification: Cargo Drone

Category: Cargo Vessel

Class: Pershing

Type: Class 6

Model: MK6-IV

Naval Construction Contract: G1400

Number Proposed: 100

Number Constructed: 98

Number in Service: 96

Number Lost: 2

Dimensions:

Overall Dimensions (Meters)

Length: 261.30 m

Width: 120.16 m

Height: 115.68 m

Primary Hull Dimensions (Meters)

Length: 246.90 m

Width: 104.60 m

Height: 115.68 m

Secondary Hull Dimensions (Meters)

Length: N/A m

Width: N/A m

Height: N/A m

Warp Unit Dimensions (Meters)

Length: 154.81 m

Width: 12.63 m

Height: 18.32 m

Displacement (Metric Tons)

Light: 206930 mt

Standard: 221702 mt

Full Load: 247491 mt

Performance: mt

Impulse Units: Dual Unit (IRF35E/4-IR)

Impulse Engine Output: 3.90E+13 W

Impulse Power Index: 0.52

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.427 sec.

0.25-0.50 Impulse: 0.673 sec.

0.50-0.75 Impulse: 0.898 sec.

0.75-Full Impulse: 1.123 sec.

Warp Units: 2 Nacelle Units (SW52/15CD)

Warp Engine Output: 3.02E+15 W

Warp Power Index: 0.52

Optimum Speed: 4

Max. Safe Cruising: 6

Emergency Speed: 6.5

Max. Speed: 7

Destructive Speed: 7.2

Acceleration Power: 3

Acceleration Times:

Warp 1 - Warp 2: 0.387 sec.

Warp 2 - Warp 3: 0.619 sec.

Warp 3 - Warp 4: 2.341 sec.

Warp 4 - Warp 5: 3.366 sec.

Warp 5 - Warp 6: 3.598 sec.

Warp 6 - Warp 7: 3.888 sec.

Warp 7 - Warp 8: 4.991 sec.

Warp 8 - Warp 9: 7.138 sec.

Warp 9 - Warp 9.5: 15.862 sec.

Warp 9.5 - Warp 9.75: 18.377 sec.

Warp 9.75 - Warp 9.9: 38.108

Duration (Years)

Standard: 7 Years

Maximum: 28 Years

Std. Ships Complement: 0

Officers: 0

Crew (Ensign Grade): 0

Troops: 0

Passengers: 0

Emergency condition: + 0

Medical Facilities:

Doctors: 0

Nurses: 0

Operating Rooms: 0

Beds: 0

Laboratories: 7

Transporters Total: 8

1 Person: 0

2 Person: 0

6 Person: 4

12 Person: 0

22 Person: 0

Small Cargo: 2

Medium Cargo: 2

Large Cargo: 0

Super Cargo: 0

Brigs: 13

Replicators: 17

Tractor Beams:

Tow Capacity: 3.64E+06 mt

Max Range: 1.36E+05 km

Cargo Specification:

Standard Cargo Units: 3500

Cargo Capacity: 175000 mt

Shuttlecraft Specifications:

Docking Ports: 1

Shuttlecraft Bays Total: 1

Small Bay: 1

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 0

Work Bees: 0

Travel Pods: 0

Aquatic Shuttle: 0

Light Shuttle: 0

Standard Shuttle: 0

Heavy Shuttle: 0

Cargo Shuttle: 0

Assault Shuttle: 0

Killer Bees: 0

Light Fighter: 0

Fighter: 0

Heavy Fighter: 0

Lifeboats: 3

Turbolift (8 person): 3

Lifeboat (10 person): 0

Lifeboat (20 person): 0

Lifeboat (30 person): 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 0.0413

Stellar Survey: 0.4125

Short Range: 0.0825

Long Range: 0.8250

Navigation: 0.0699

Special: 0.0000

Computers: 2

Type: Daystrom Duotronic III:c

Type: Daystrom Duotronic II:c

ECM Index: 0.10

Shield Rating:

Shield Index: 0.87

Holdoff Power: 9.81E+11 W

Refresh Rate: 2.79E+11 W

Breakdown Rate: 3.35E+11 W

Shield Dimensions (Meters)

Length: 391.95 m

Width: 180.24 m

Height: 173.52 m

Weapons:

Phaser Power Index: 0.000

Photon Power Index: 0.000

Vessel Power Index: 0.000

Weapon Placement:

Beam (Phasers) Total: 0 banks

Output: N/A

Range: N/A km

Rate of Fire: N/A

Forward Banks: 0

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: 0 Bays

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

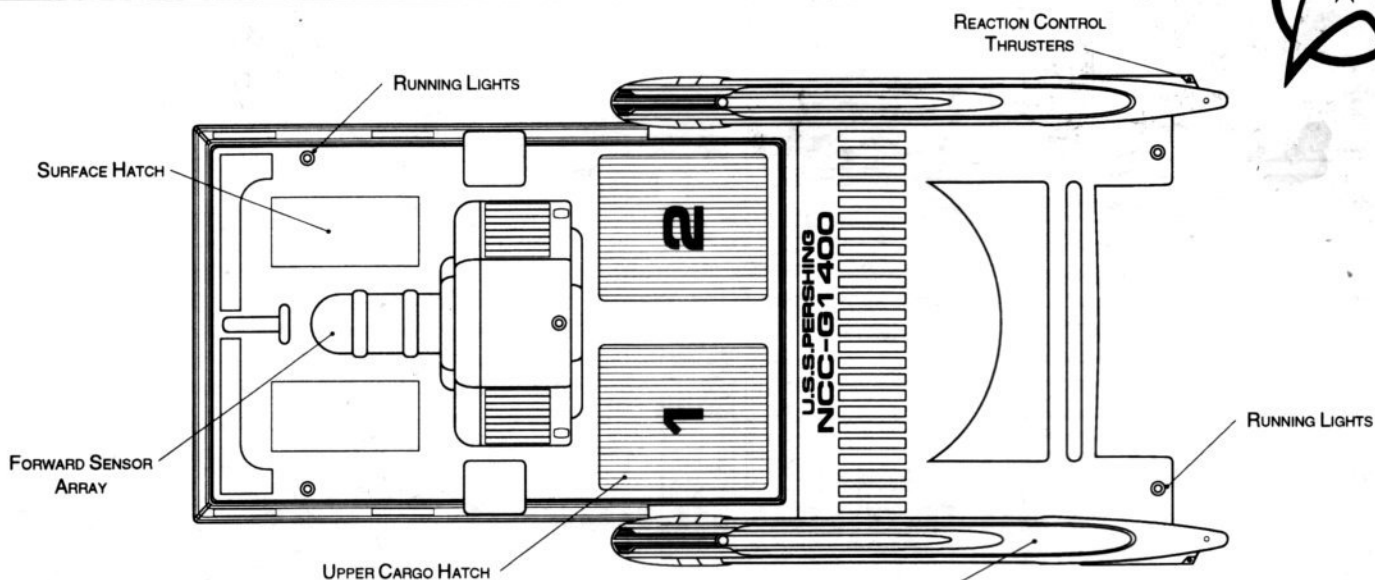
Starboard Bay: 0

Upper Bay: 0

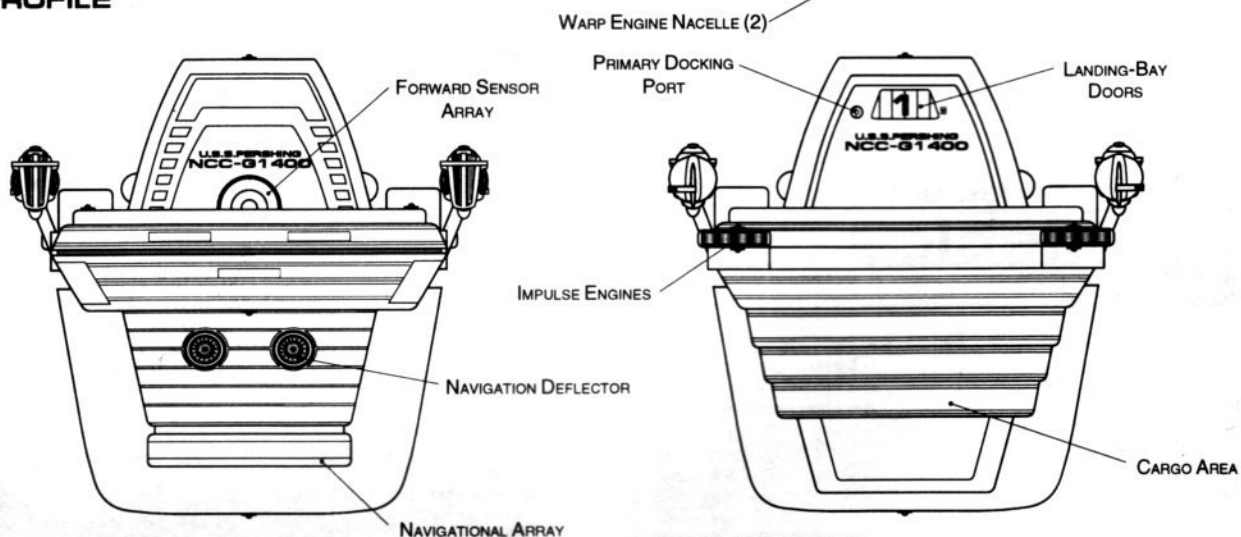
Lower Bay: 0

FEDERATION VESSEL

CARGO DRONE

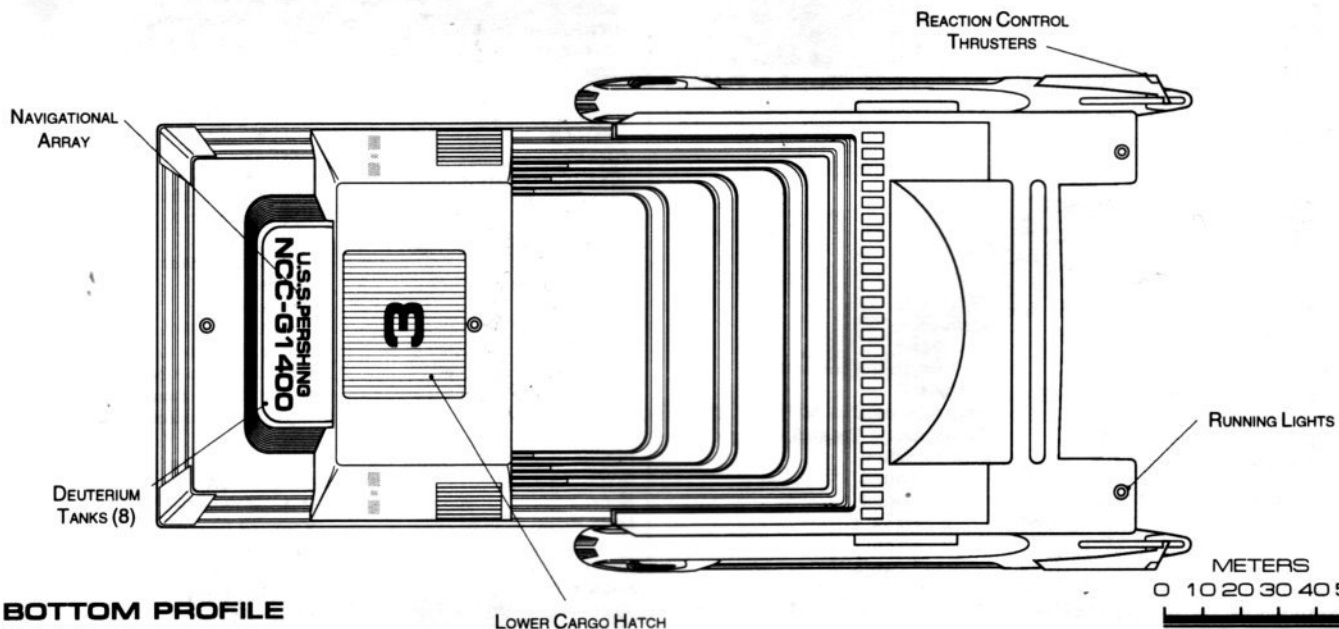


TOP PROFILE



FRONT PROFILE

REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40 50
SCALE 1:2000



CARGO DRONE

Ship Names

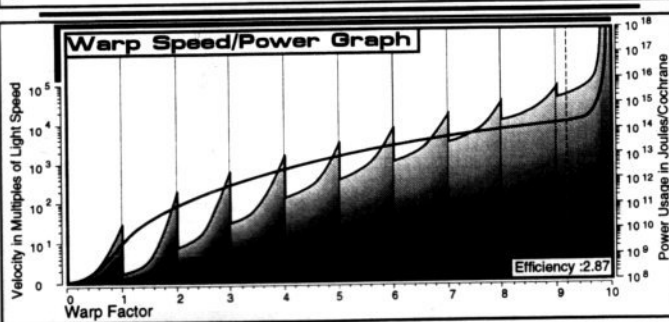
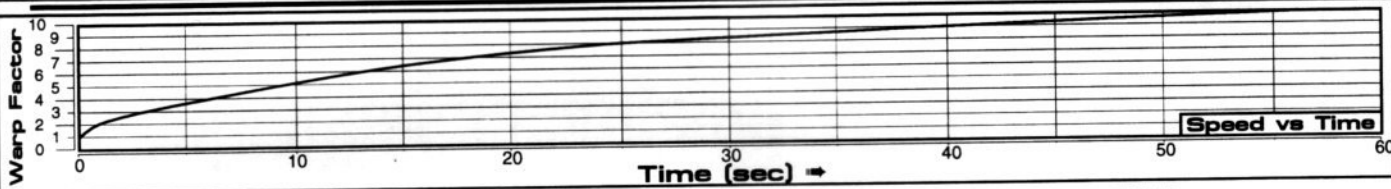
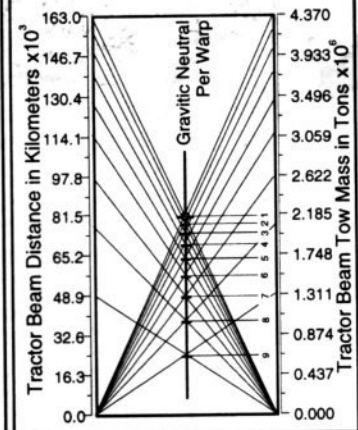
THE FOLLOWING SHIPS OF THE MK6-IV CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2266.2

PERSHING • NCC-G1400	PERSHING25 • NCC-G1425	PERSHING50 • NCC-G1450	PERSHING75 • NCC-G1475
PERSHING1 • NCC-G1401	PERSHING26 • NCC-G1426	PERSHING51 • NCC-G1451	PERSHING76 • NCC-G1476
PERSHING2 • NCC-G1402	PERSHING27 • NCC-G1427	PERSHING52 • NCC-G1452	PERSHING77 • NCC-G1477
PERSHING3 • NCC-G1403	PERSHING28 • NCC-G1428	PERSHING53 • NCC-G1453	PERSHING78 • NCC-G1478
PERSHING4 • NCC-G1404	PERSHING29 • NCC-G1429	PERSHING54 • NCC-G1454	PERSHING79 • NCC-G1479
PERSHING5 • NCC-G1405	PERSHING30 • NCC-G1430	PERSHING55 • NCC-G1455	PERSHING80 • NCC-G1480
PERSHING6 • NCC-G1406	PERSHING31 • NCC-G1431	PERSHING56 • NCC-G1456**	PERSHING81 • NCC-G1481
PERSHING7 • NCC-G1407	PERSHING32 • NCC-G1432	PERSHING57 • NCC-G1457	PERSHING82 • NCC-G1482
PERSHING8 • NCC-G1408	PERSHING33 • NCC-G1433	PERSHING58 • NCC-G1458	PERSHING83 • NCC-G1483
PERSHING9 • NCC-G1409	PERSHING34 • NCC-G1434	PERSHING59 • NCC-G1459	PERSHING84 • NCC-G1484
PERSHING10 • NCC-G1410	PERSHING35 • NCC-G1435	PERSHING60 • NCC-G1460	PERSHING85 • NCC-G1485
PERSHING11 • NCC-G1411	PERSHING36 • NCC-G1436	PERSHING61 • NCC-G1461	PERSHING86 • NCC-G1486
PERSHING12 • NCC-G1412	PERSHING37 • NCC-G1437	PERSHING62 • NCC-G1462	PERSHING87 • NCC-G1487
PERSHING13 • NCC-G1413	PERSHING38 • NCC-G1438	PERSHING63 • NCC-G1463	PERSHING88 • NCC-G1488
PERSHING14 • NCC-G1414	PERSHING39 • NCC-G1439	PERSHING64 • NCC-G1464	PERSHING89 • NCC-G1489
PERSHING15 • NCC-G1415	PERSHING40 • NCC-G1440	PERSHING65 • NCC-G1465	PERSHING90 • NCC-G1490
PERSHING16 • NCC-G1416	PERSHING41 • NCC-G1441	PERSHING66 • NCC-G1466	PERSHING91 • NCC-G1491
PERSHING17 • NCC-G1417	PERSHING42 • NCC-G1442	PERSHING67 • NCC-G1467	PERSHING92 • NCC-G1492
PERSHING18 • NCC-G1418	PERSHING43 • NCC-G1443	PERSHING68 • NCC-G1468	PERSHING93 • NCC-G1493
PERSHING19 • NCC-G1419	PERSHING44 • NCC-G1444	PERSHING69 • NCC-G1469	PERSHING94 • NCC-G1494
PERSHING20 • NCC-G1420	PERSHING45 • NCC-G1445	PERSHING70 • NCC-G1470	PERSHING95 • NCC-G1495
PERSHING21 • NCC-G1421	PERSHING46 • NCC-G1446	PERSHING71 • NCC-G1471	PERSHING96 • NCC-G1496**
PERSHING22 • NCC-G1422	PERSHING47 • NCC-G1447	PERSHING72 • NCC-G1472	PERSHING97 • NCC-G1497
PERSHING23 • NCC-G1423	PERSHING48 • NCC-G1448	PERSHING73 • NCC-G1473	PERSHING98 • NCC-G1498***
PERSHING24 • NCC-G1424	PERSHING49 • NCC-G1449	PERSHING74 • NCC-G1474	PERSHING99 • NCC-G1499***

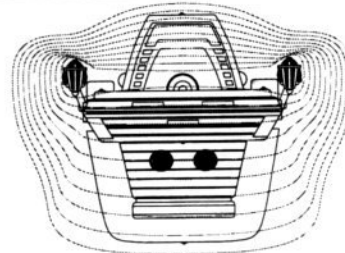
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH U.S.S.

Tractor Beam Specifications

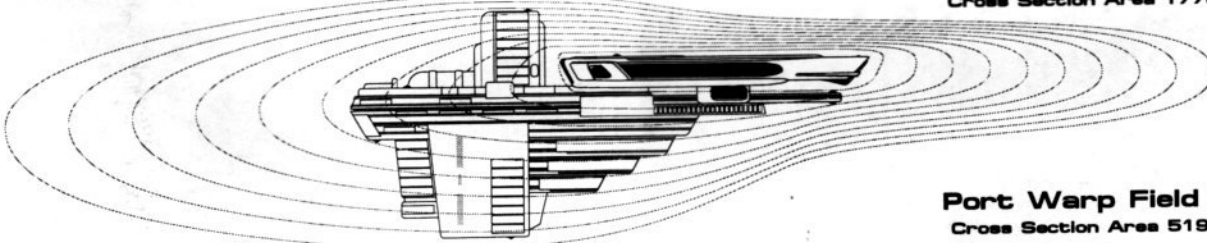
Primary Tractor Beam Load Calculator



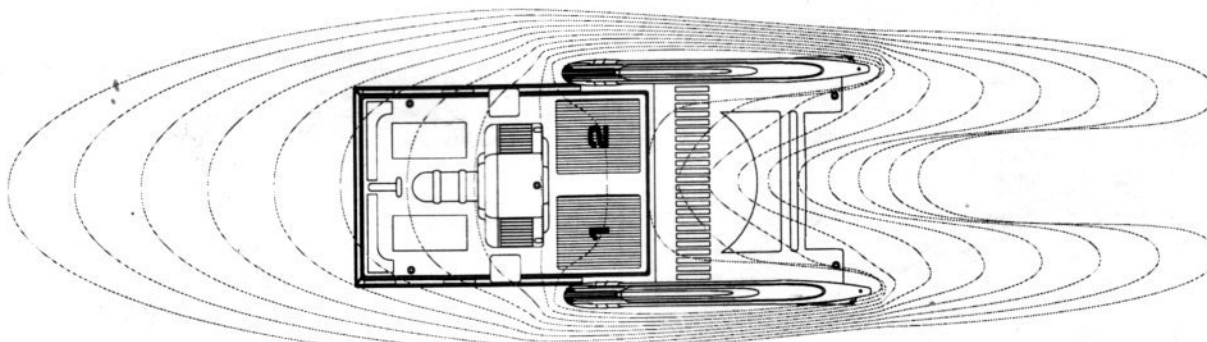
Field Length 608.89m
Field Width 172.27m
Field Height 126.81m



Front Warp Field Profile
Cross Section Area 17785.90 m²



Port Warp Field Profile
Cross Section Area 51928.34 m²



Top Warp Field Profile
Cross Section Area 78082.20 m²

WARP FIELDS

RESEARCH VESSEL



General Information

Specific Role: The Research Vessel is a small efficient starship used for intensive research. Adjustable band-width sensors and extensive research laboratories throughout the vessel give it a comprehensive research platform. Despite this vessel's small size, its contributions to the research community have earned it a highly respectable reputation.

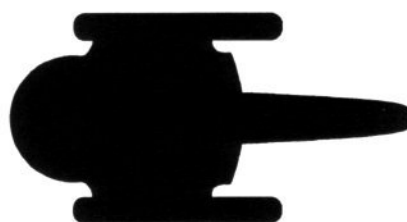
Physical Description: The (SH103/R-E4) ship is equipped with additional research systems and laboratories. The vessel is equipped with a (BF5/R-L5) bridge which incorporates additional research instrumentation. On the lower part of the hull is the (SM15/5T) main sensor array and (DN2/3D) navigational dome. Positioned forward of the bridge is a (BP2/30-2C) phaser bank. At the rear of the primary hull are (ISR10E/3-GF) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SU38/1-2JL) warp nacelles attached to each side of the hull. Running horizontally between the nacelles is the (M20/1-2D) intermix chamber. Installed to the rear of the hull are the (AM3/15-2A) matter/antimatter storage tanks for emergency jettisoning. On the front of the hull is a small hangar deck. Slung underneath the primary hull by two (DT/30-15G) connecting dorsals is a (SH153/R-D2) secondary hull. The secondary hull is primarily used for research and contains most of the vessel's sensors and research facilities. On the lower front of the secondary hull is the (SME256/3D) primary sensor array. Facing rearward on the secondary hull is a (SME79/9Q) secondary sensor array. In the event of an emergency, the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area 13144.36 m²



Top Silhouette
Area 7753.16 m²



Port Silhouette
Area 3899.4 m²

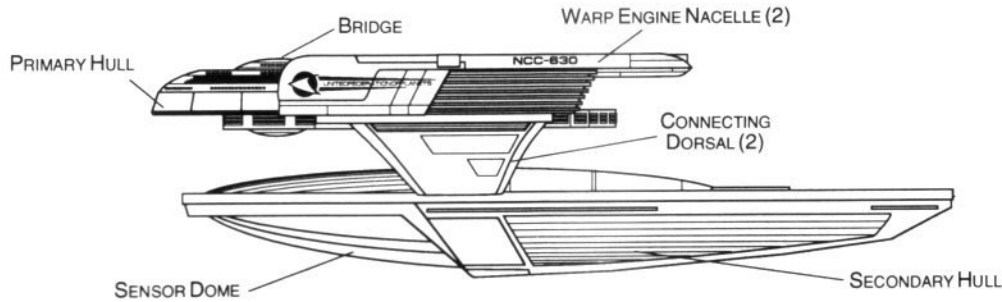


Front Silhouette
Area 1491.80 m²

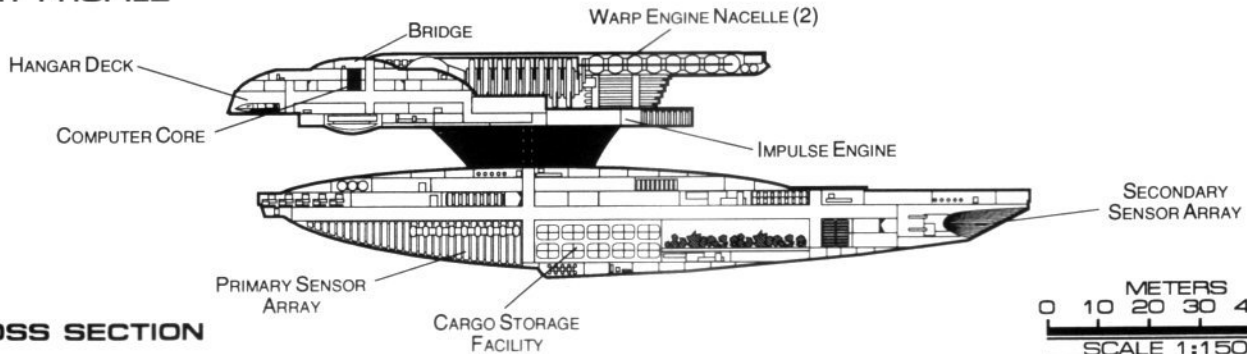


RESEARCH VESSEL

GAGARIN CLASS



PORT PROFILE



CROSS SECTION

Statistics

Classification: Research Vessel

Category: Research Vessel

Class: Gagarin

Type: Class 2

Model: MK-V

Naval Construction Contract: 600

Number Proposed: 95

Number Constructed: 93

Number in Service: 91

Number Lost: 2

Dimensions:

Overall Dimensions (Meters)

Length: 159.83m

Width: 82.97m

Height: 44.34m

Primary Hull Dimensions (Meters)

Length: 92.73m

Width: 82.97m

Height: 15.22m

Secondary Hull Dimensions (Meters)

Length: 153.72m

Width: 21.94m

Height: 22.20m

Warp Unit Dimensions (Meters)

Length: 83.09m

Width: 10.85m

Height: 12.17m

Displacement (Metric Tons)

Light: 37,438mt

Standard: 40,111mt

Full Load: 44,776mt

Performance:

Impulse Units: Dual Unit (ISR10E/3-GF)

Impulse Engine Output: 6.0×10^{12} W

Impulse Power Index: 4.92

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.162 sec.

0.25-0.50 Impulse: 0.244 sec.

0.50-0.75 Impulse: 0.325 sec.

0.75-Full Impulse: 0.406 sec.

Warp Units: 2 Nacelle Units (SU38/1-2JL)

Warp Engine Output: 1.92×10^{14} W

Warp Power Index: 0.79

Optimum Speed: Warp 4

Max. Safe Cruising: Warp 5

Emergency Speed: Warp 7

Max. Speed: Warp 8

Destructive Speed: Warp 8.5

Acceleration Power: 3.0

Acceleration Times:

Warp 1 - Warp 2: 0.254 sec.

Warp 2 - Warp 3: 0.406 sec.

Warp 3 - Warp 4: 1.529 sec.

Warp 4 - Warp 5: 2.208 sec.

Warp 5 - Warp 6: 2.360 sec.

Warp 6 - Warp 7: 2.551 sec.

Warp 7 - Warp 8: 3.274 sec.

Warp 8 - Warp 9: 4.683 sec.

Warp 9 - Warp 9.5: 10.406 sec.

Warp 9.5 - Warp 9.75: 12.056 sec.

Warp 9.75 - Warp 9.9: 25.000 sec.

Duration (Years)

Standard: 6 Years

Maximum: 24 Years

Std. Ships Complement: 111

Officers: 18

Crew (Ensign Grade): 90

Troops: 3

Passengers: 10

Emergency condition: +150

Medical Facilities:

Doctors: 2

Nurses: 11

Operating Rooms: 2

Beds: 11

Laboratories: 6

Transporters Total: 2

1 Person: 0

2 Person: 0

6 Person: 1

12 Person: 0

22 Person: 1

Small Cargo: 0

Medium Cargo: 0

Large Cargo: 0

Super Cargo: 0

Brigs: 2

Replicators: 3

Tractor Beams: 1

Tow Capacity: 8.83×10^5 mt

Max Range: 4.40×10^4 km

Cargo Specification:

Standard Cargo Units: 70

Cargo Capacity: 3,500mt

Shuttlecraft Specifications:

Docking Ports: 1

Shuttlecraft Bays Total: 1

Small Bay: 1

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 15

Work Bees: 1

Travel Pods: 0

Aquatic Shuttle: 0

Light Shuttle: 1

Standard Shuttle: 3

Survey Shuttle: 3

Heavy Shuttle: 0

Cargo Shuttle: 1

Assault Shuttle: 4

Killer Bees: 1

Fighter: 0

Lifeboats: 11

Turbolift (8 person): 10

Lifeboat (10 person): 1

Lifeboat (20 person): 0

Lifeboat (30 person): 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 0.8979

Stellar Survey: 1.5759

Short Range: 0.7147

Long Range: 1.2543

Navigation: 0.3980

Special: 0.3465

Computers: 2

Type: Daystrom Duotronic II:d

Type: Daystrom Duotronic II:c

ECM Index: 0.89

Shield Rating:

Shield Index: 3.57

Holdoff Power: 2.35×10^{12} W

Refresh Rate: 6.68×10^{11} W

Breakdown Rate: 8.01×10^{11} W

Shield Dimensions (Meters)

Length: 191.80m

Width: 99.56m

Height: 53.21m

Weapons:

Phaser Power Index: 0.547

Photon Power Index: 0.00

Vessel Power Index: 0.270

Weapon Placement:

Beam (Phasers) Total: 1 banks 2 each

Output: 5.0×10^{11} W / 2.5×10^{11} W

Range: 2.5×10^5 km

Rate of Fire: 30 ppm / Cont.

Forward Banks: 1

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

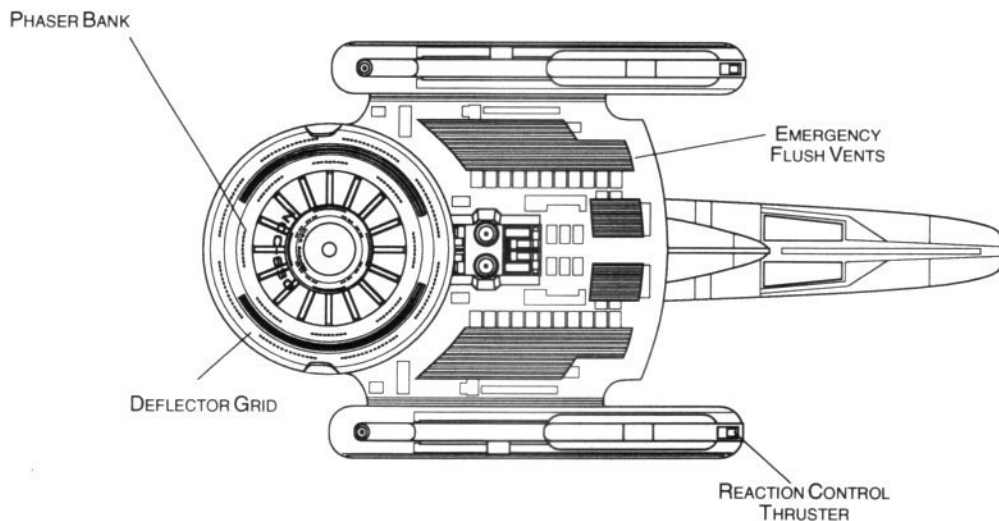
Starboard Bay: 0

Upper Bay: 0

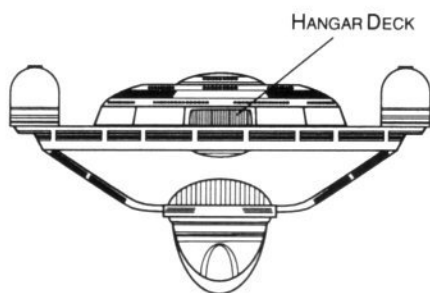
Lower Bay: 0

FEDERATION VESSEL

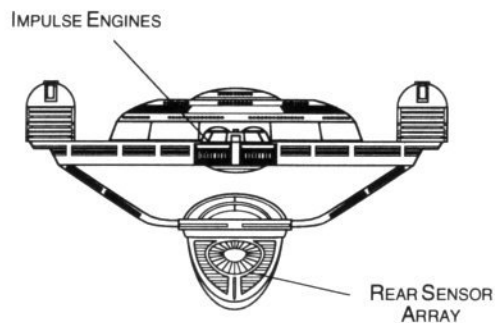
RESEARCH VESSEL



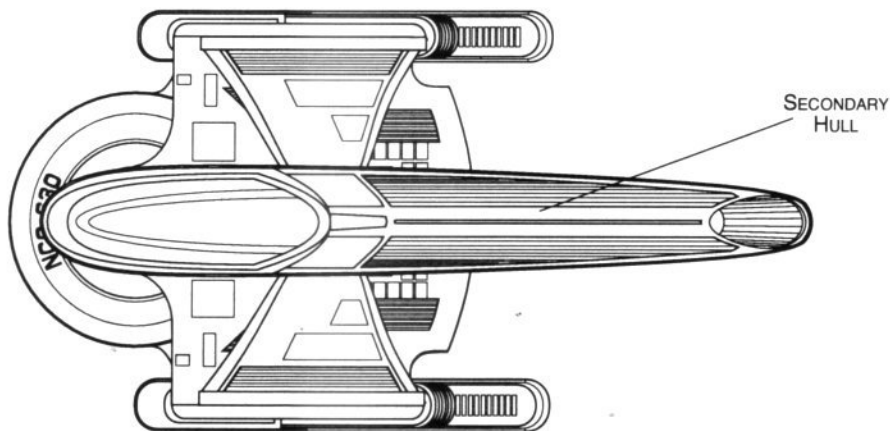
TOP PROFILE



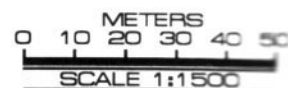
FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE





RESEARCH VESSEL

Ship Names

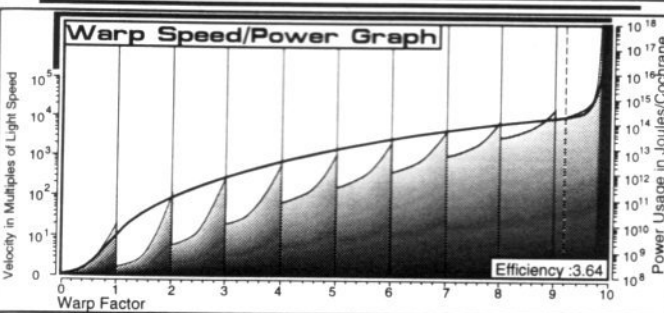
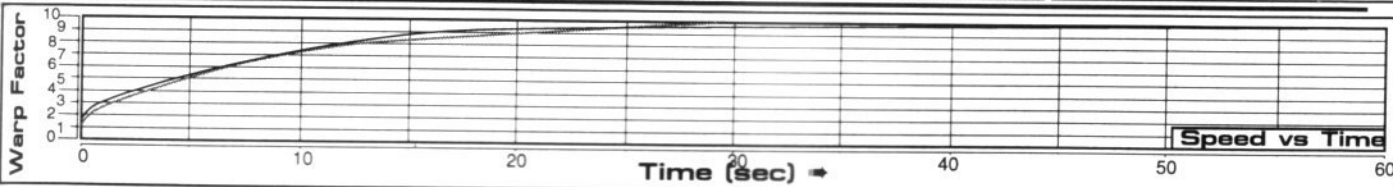
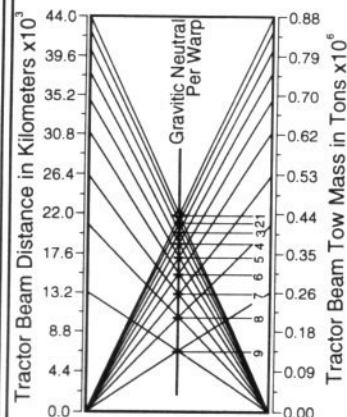
THE FOLLOWING SHIPS OF THE MK-V CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2266.2

CARPEN •NCC-633	KNODE •NCC-692	NOWELL •NCC-643	ROBINETT •NCC-640
COOPER •NCC-635	KOPP •NCC-677	NUEGEBAUER •NCC-691	RONHAUSEN •NCC-655
EASTER •NCC-636**	KRUSINSKY •NCC-645	NZERE •NCC-665	ROTAURIS •NCC-682
ESPINOSA •NCC-611	KUBOTA •NCC-601	OBREGON •NCC-615	ROUSSEAU •NCC-670
FARRIER •NCC-622	KUO-CHING •NCC-667	OLIPHANT •NCC-625	SAPIEN •NCC-663
FILLIPONE •NCC-616	KURATKO •NCC-619	OMOHUNDRO •NCC-676	SATO •NCC-680
FIRSICK •NCC-604	KYRE •NCC-656	ORUM •NCC-683	SCHIRRA •NCC-634
GAGARIN •NCC-630*	LACROSSE •NCC-674	OTT •NCC-658	SCRIBNER •NCC-673**
GALLAWAY •NCC-628	LALONDE •NCC-662	OWINYO •NCC-668	SHEPARD •NCC-631
GARIBALDO •NCC-607	LIBBY •NCC-653	OYEN •NCC-610	SPARLING •NCC-678
GLENN •NCC-632	LINDSTROM •NCC-603	O'QUINN •NCC-689	STAFFORD •NCC-618
GRISOM •NCC-638	LINECUM •NCC-627	PAIZ •NCC-617	STANDRIDGE •NCC-612
HALVERSON •NCC-602	LIN-CHI-PAN •NCC-609	PARISI •NCC-606	STRAUB •NCC-614
HAMPTON •NCC-613	LOCKHART •NCC-649	PARKHILL •NCC-624	TARKENTON •NCC-659
HARDGRAVE •NCC-694***	LOWDERMILK •NCC-684	PARUCHURI •NCC-641	TERESHKOVA •NCC-637
HARINDEN •NCC-626	LOX •NCC-693***	PATENTOTE •NCC-666	THAXTON •NCC-644
HARRINGER •NCC-681	MAGEE •NCC-690	PAVELKA •NCC-608	TITOV •NCC-639
HARTGRAVES •NCC-642	MAKEWICZ •NCC-669	PEACOCK •NCC-654	TOSCANO •NCC-650
HARVISON •NCC-664	MANAHAN •NCC-657	PEIKERT •NCC-686	VASEK •NCC-652
HASS •NCC-651	MANASCO •NCC-623	PUTUMBAKA •NCC-621	VILLALOBOS •NCC-648
INGLESIA •NCC-629	MARQUIS •NCC-605	QAZI •NCC-646	
IRONS •NCC-647	McADEN •NCC-679	QUATTLEBAUM •NCC-672	
JANOW •NCC-660	NIX •NCC-685	QUIJENO •NCC-661	
JARAMILLO •NCC-671	NONWEILER •NCC-675	REAGOR •NCC-600	
JEZESICK •NCC-687	NORVELLE •NCC-688	RIOZ •NCC-620	

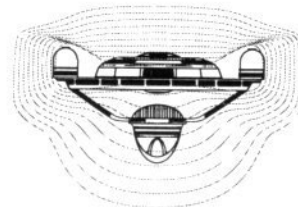
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

Tractor Beam Specifications

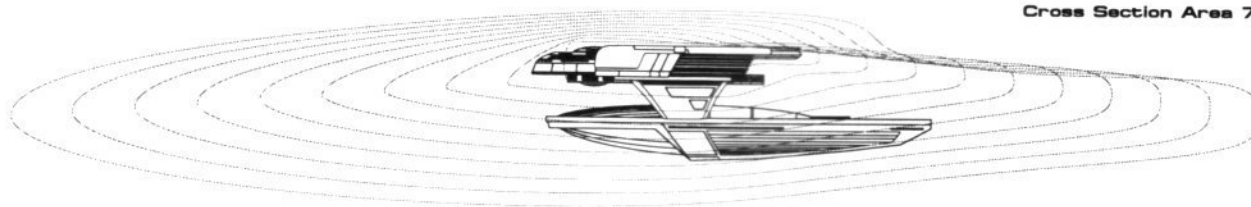
Primary Tractor Beam Load Calculator



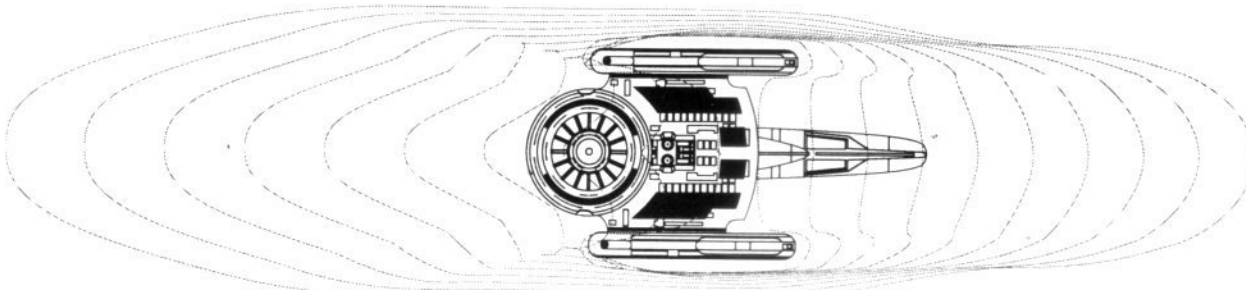
Field Length 495.37m
Field Width 118.43m
Field Height 79.44m



Front Warp Field Profile
Cross Section Area 7206.00 m²



Port Warp Field Profile
Cross Section Area 26918.76 m²



Top Warp Field Profile
Cross Section Area 46597.20 m²

WARP FIELDS

TRANSPORT SHIP



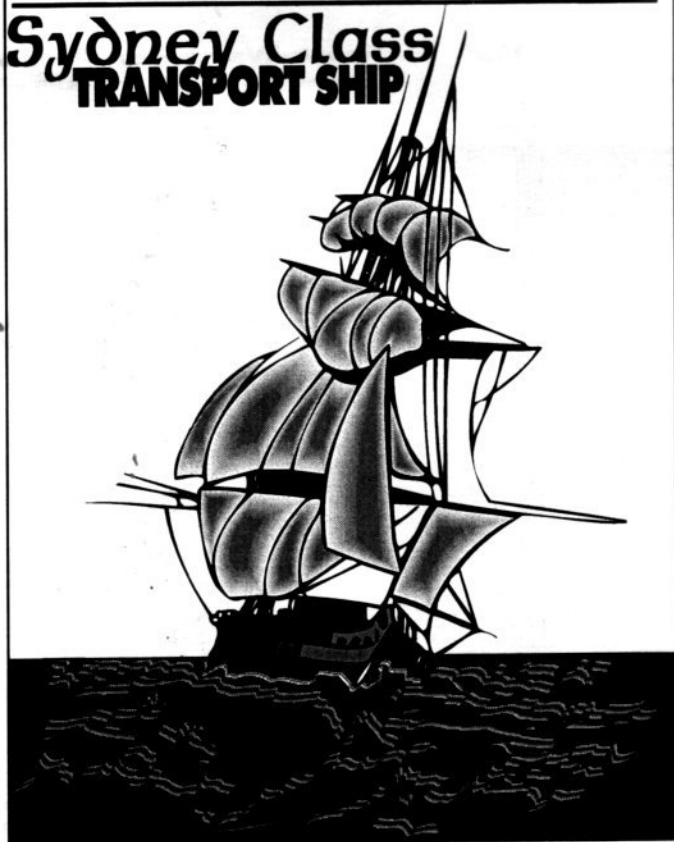
General Information

Specific Role: The Sydney Class Transport Ship is a light-duty interstellar capable personnel/cargo transport vessel. Comfortable accommodations for up to 200 passengers and moderate cargo storage make this Starfleet affiliated vessel one of the most preferable ships for extended travel. Due to its moderate armament, this class vessel avoids combat. The Sydney Class transport is often used for Starfleet Cadet training and familiarization with space-craft.

Physical Description: The (BS10/T-U2) bridge is centered on top of the Transport's bulbous wedge shaped hull. A (SQ8/A10) rectangular navigational deflector is mounted on the nose of vessel. Directly behind the bridge are two (NA5/S2) navigational arrays. This class vessel has four (BP2/60-2T) phaser banks, located over and under the navigational array and one on each side of the ship just forward of the sensor arrays. The (IRF35E/8-IR) Impulse drive is located on the rear section of the vessel over the main cargo hold above the rear cargo hatches. Immediately underneath the rear cargo doors is a small hangar bay. For warp propulsion two (SW45/1-5SH) nacelles are mounted on (DU/22-3F) support pylons on either side of the hull. In the event of an emergency the warp nacelles and pylons can be jettisoned. Once separated, the transport can maneuver on impulse power for extended periods of time.

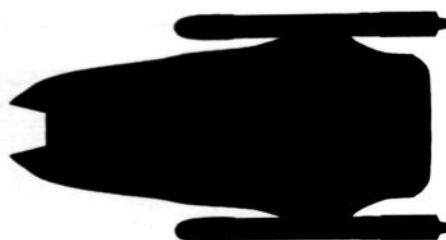
Class Emblem

**Sydney Class
TRANSPORT SHIP**



Ship Silhouettes

Total Target Area 32165.47 m²



Top Silhouette

Area 19956.08 m²



Port Silhouette

Area 8670.34 m²



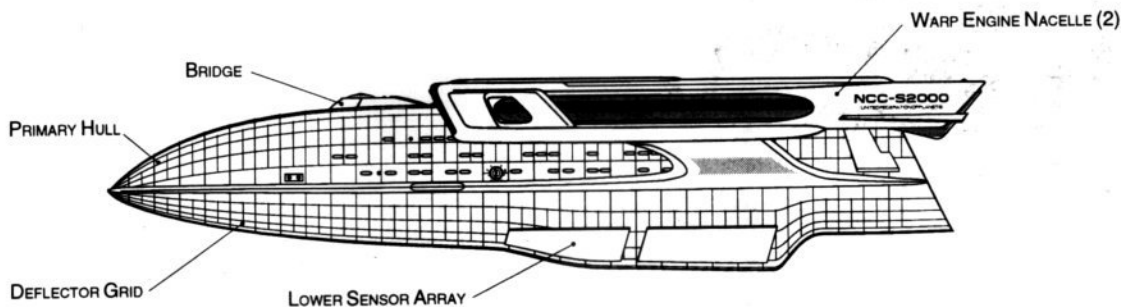
Front Silhouette

Area 3539.05 m²

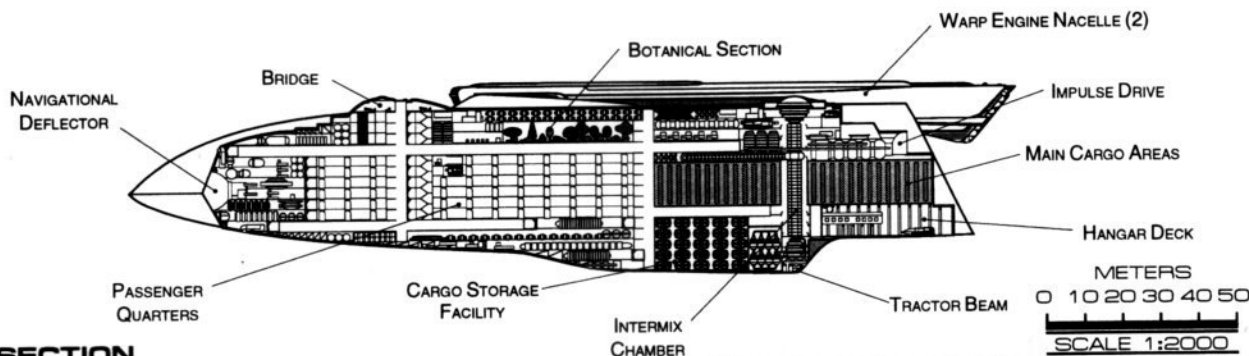


TRANSPORT SHIP

SYDNEY CLASS



PORT PROFILE



CROSS SECTION

Statistics

Classification: Transport Ship
Category: Cargo Vessel
Class: Sydney
Type: Class2
Model: MK2-XX
Naval Construction Contract: S2000
Number Proposed: 79
Number Constructed: 79
Number in Service: 77
Number Lost: 2

Dimensions:
Overall Dimensions (Meters)
 Length: 235.30 m
 Width: 120.84 m
 Height: 51.09 m

Primary Hull Dimensions (Meters)
 Length: 223.44 m
 Width: 77.69 m
 Height: 48.21 m

Secondary Hull Dimensions (Meters)
 Length: N/A m
 Width: N/A m
 Height: N/A m

Warp Unit Dimensions (Meters)
 Length: 147.60 m
 Width: 12.63 m
 Height: 18.32 m

Displacement (Metric Tons)
 Light: 170587 mt
 Standard: 182765 mt
 Full Load: 204024 mt

Performance: mt
Impulse Units: Dual Unit (IRF35E/8-IR)
Impulse Engine Output: 3.90E+13 W
Impulse Power Index: 0.63
Max Cruising: C
Acceleration Rate:
 0.00-0.25 Impulse: 0.352 sec.
 0.25-0.50 Impulse: 0.555 sec.
 0.50-0.75 Impulse: 0.740 sec.
 0.75-Full Impulse: 0.926 sec.
Warp Units: 2 Nacelle Units (SW45/1-5SH)
Warp Engine Output: 3.02E+15 W
Warp Power Index: 0.63

Optimum Speed: 4
Max. Safe Cruising: 6
Emergency Speed: 8
Max. Speed: 8.2
Destructive Speed: 8.5
Acceleration Power: 3
Acceleration Times:
 Warp 1 - Warp 2: 0.319 sec.
 Warp 2 - Warp 3: 0.510 sec.
 Warp 3 - Warp 4: 1.930 sec.
 Warp 4 - Warp 5: 2.775 sec.
 Warp 5 - Warp 6: 2.966 sec.
 Warp 6 - Warp 7: 3.205 sec.
 Warp 7 - Warp 8: 4.114 sec.
 Warp 8 - Warp 9: 5.884 sec.
 Warp 9 - Warp 9.5: 13.076 sec.
 Warp 9.5 - Warp 9.75: 15.149 sec.
 Warp 9.75 - Warp 9.9: 31.415

Duration (Years)
 Standard: 7 Years
 Maximum: 28 Years
Std. Ships Complement: 82
 Officers: 14
 Crew (Ensign Grade): 68
 Troops: 0
 Passengers: 200
 Emergency condition: + 358.422

Medical Facilities:
 Doctors: 3
 Nurses: 7
 Operating Rooms: 2
 Beds: 16

Laboratories: 6
Transporters Total: 29
 1 Person: 0
 2 Person: 1
 6 Person: 7
 12 Person: 0
 22 Person: 7
 Small Cargo: 7
 Medium Cargo: 7
 Large Cargo: 0
 Super Cargo: 0

Brigs: 11
Replicators: 37
Tractor Beams:
 Tow Capacity: 4.41E+06 mt
 Max Range: 1.32E+05 km
Cargo Specification:
 Standard Cargo Units: 1500
 Cargo Capacity: 75000 mt
Shuttlecraft Specifications:
 Docking Ports: 3
 Shuttlecraft Bays Total: 1
 Small Bay: 1
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 0
 Shuttlecraft Standard: 11
 Work Bees: 1
 Travel Pods: 1
 Aquatic Shuttle: 1
 Light Shuttle: 0
 Standard Shuttle: 6
 Heavy Shuttle: 1
 Cargo Shuttle: 1
 Assault Shuttle: 0
 Killer Bees: 0
 Light Fighter: 0
 Fighter: 0
 Heavy Fighter: 0
 Lifeboats: 31
 Turbolift (8 person): 23
 Lifeboat (10 person): 6
 Lifeboat (20 person): 2
 Lifeboat (30 person): 0

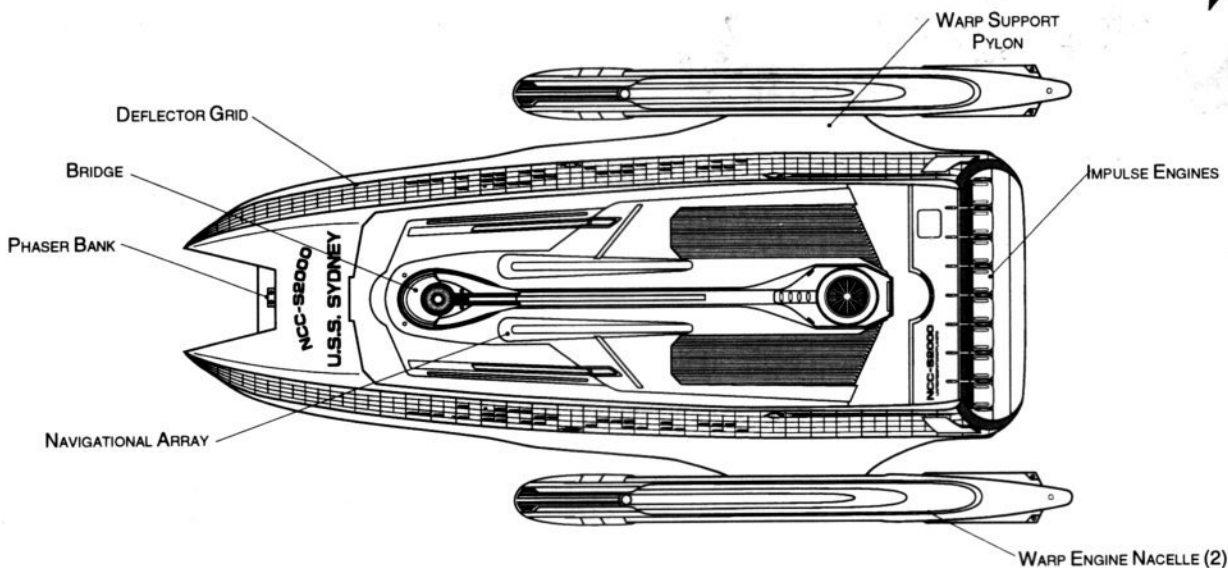
Cloaking Devices: 1
Sensor Index Values:
 Planetary Survey: 0.2354
 Stellar Survey: 0.4708
 Short Range: 0.4280
 Long Range: 0.8560
 Navigation: 0.4118
 Special: 0.2951

Computers: 2
 Type: Daystrom Duotronic II:fx
 Type: Daystrom Duotronic I:ci

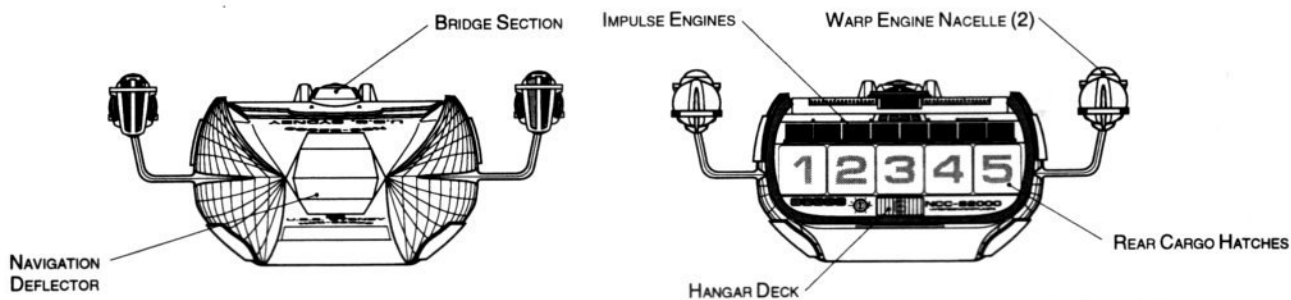
ECM Index: 0.50
Shield Rating:
 Shield Index: 0.74
 Holdoff Power: 8.36E+11 W
 Refresh Rate: 2.38E+11 W
 Breakdown Rate: 2.85E+11 W
Shield Dimensions (Meters)
 Length: 352.95 m
 Width: 181.26 m
 Height: 76.64 m
Weapons:
 Phaser Power Index: 0.167
 Photon Power Index: 0.000
 Vessel Power Index: 0.083
Weapon Placement:
 Beam (Phasers) Total: 4 banks 2 each
 Output: 5.00E+11 W / 2.5E11 W
 Range: 2.50E+05 km
 Rate of Fire: 30 ppm / Cont.
 Forward Banks: 0
 Rear Banks: 0
 Port Banks: 1
 Starboard Banks: 1
 Upper Banks: 1
 Lower Banks: 1
 Beam (MegaPhasers) Total: 0
 Output: N/A
 Range: N/A
 Rate of Fire: N/A
 Forward/Rear Banks: 0
 Port/Starboard Banks: 0
 Upper/Lower Banks: 0
 Torpedoes (Photon) Total: 0 Bays
 Stock: N/A
 Range: N/A
 Output: N/A
 Rate of Fire: N/A
 Forward Bay: 0
 Rear Bay: 0
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0

FEDERATION VESSEL

TRANSPORT SHIP

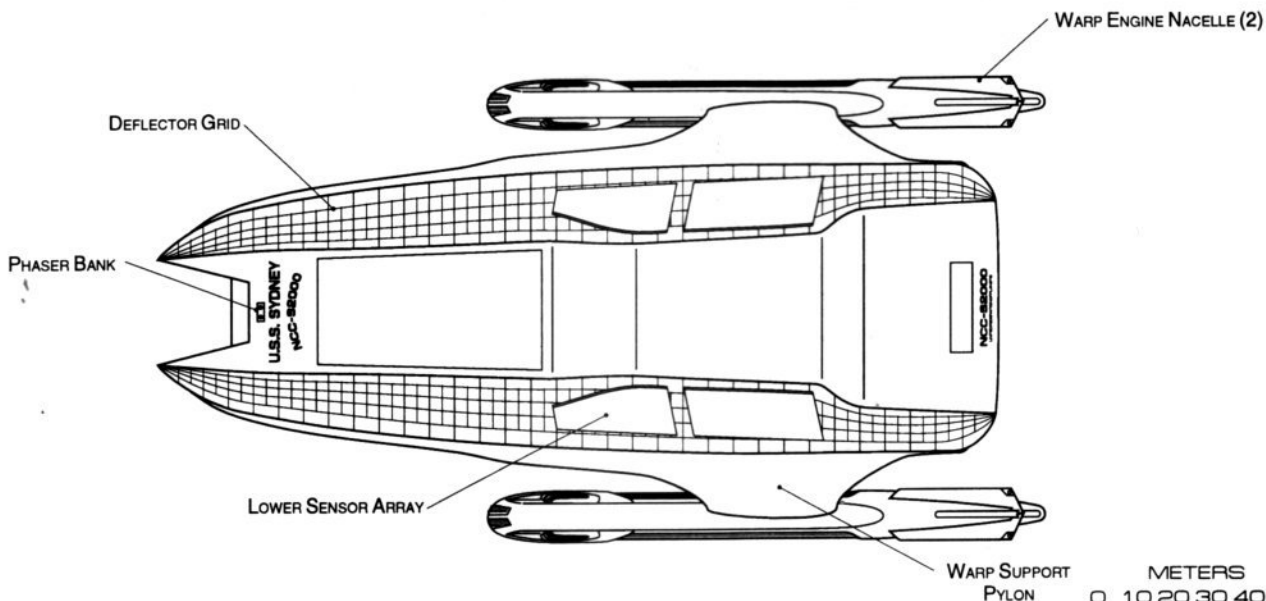


TOP PROFILE



FRONT PROFILE

REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40 50
SCALE 1:2000



TRANSPORT SHIP

Ship Names

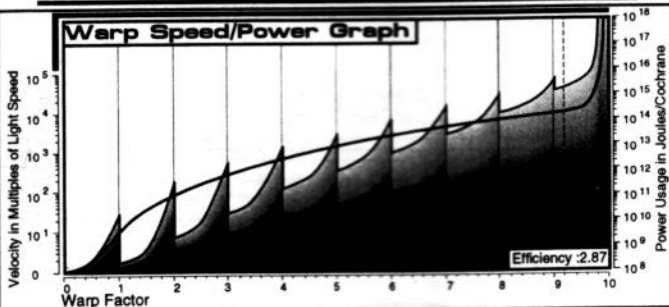
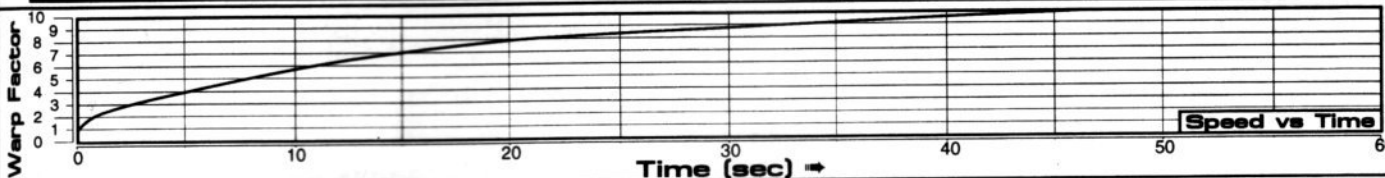
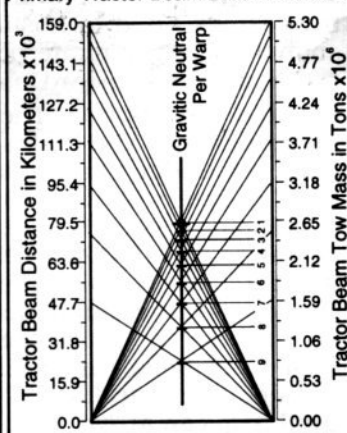
THE FOLLOWING SHIPS OF THE MK2-XX CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2275.2

ANDRAE • NCC-S2072	HARDISON • NCC-S2073	NEGLEY • NCC-S2071	TWERINA • NCC-S2013
BEARE • NCC-S2036	HINJOSA • NCC-S2033	ORINGDERFF • NCC-S2035	WHITTLE • NCC-S2074
BECKETT • NCC-S2020	HIPOLITO • NCC-S2019	OSBEN • NCC-S2017	YOUNY • NCC-S2034
BENGSTON • NCC-S2055**	HOHENBERGER • NCC-S2053	PAIKOWSKI • NCC-S2054	ZARAGOZA • NCC-S2018
BENNEVEDEZ • NCC-S2076	HOLLEY • NCC-S2075**	PALACIOS • NCC-S2078	
BURRESCHIA • NCC-S2032	JENOLEN • NCC-S2010	PARVIS • NCC-S2069	
BYARD • NCC-S2070	KINNEBREW • NCC-S2052	PROVENCE • NCC-S2031	
CHEEK • NCC-S2061	KIRKENDALL • NCC-S2068	REEGER • NCC-S2095	
CRISP • NCC-S2016	LIMBAUGH • NCC-S2059	RIGGAN • NCC-S2060	
CRUCE • NCC-S2046	MARINLARENA • NCC-S2014	SAMARTINO • NCC-S2015	
CUMMINS • NCC-S2049	MARKUSSEN • NCC-S2048	SATYANARAYANA • NCC-S2047	
CURRIER • NCC-S2038	MARRUFFO • NCC-S2051	SCHAEFFER • NCC-S2050	
DARRIGAN • NCC-S2043	MARTS • NCC-S2037	SCHIERMEYER • NCC-S2039	
DAUPHINAIS • NCC-S2077	MASSIE • NCC-S2045	SCHWERTNER • NCC-S2044	
DEMPSEY • NCC-S2024	MAXHEIMER • NCC-S2026	SETTLEMIRE • NCC-S2025	
DURANT • NCC-S2003	MCCURDY • NCC-S2002	SIMONS • NCC-S2004	
EDISON • NCC-S2065	MCGECHIE • NCC-S2066	SNEATHEN • NCC-S2067	
ELKINS • NCC-S2040	MCGWIER • NCC-S2042	SODD • NCC-S2041	
EMENHIZER • NCC-S2058	MCKEOWN • NCC-S2057	SPIER • NCC-S2056	
EULAGO • NCC-S2006	MCNAUGHTON • NCC-S2007	STEPHANOW • NCC-S2005	
FOSTER • NCC-S2028	MESKUNAS • NCC-S2027	SYDNEY • NCC-S2000	
FRALEY • NCC-S2021	MESSICK • NCC-S2022	TEAFF • NCC-S2029	
FRISBIE • NCC-S2009	MIDDLEBROOK • NCC-S2008	TENNANT • NCC-S2023	
FROST • NCC-S2064	MIDKIFF • NCC-S2063	THOMMAN • NCC-S2030	
FYIE • NCC-S2011	MILINOWICZ • NCC-S2012	THOMSAN • NCC-S2062	

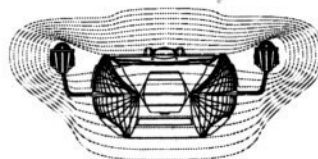
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH U.S.S.

Tractor Beam Specifications

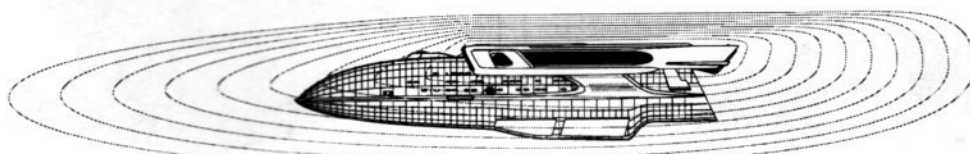
Primary Tractor Beam Load Calculator



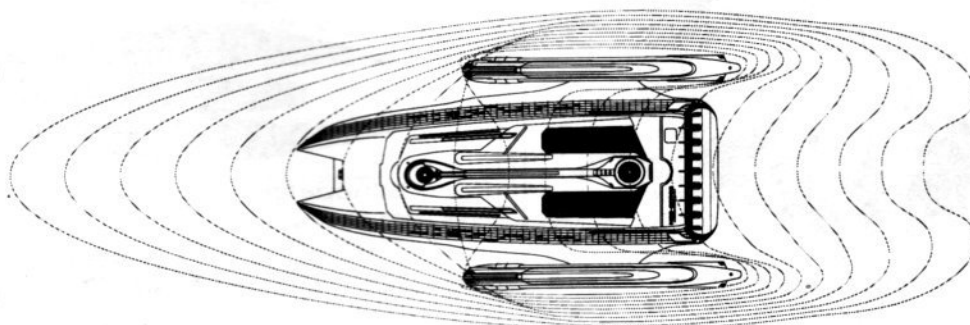
Field Length 512.09m
Field Width 166.46m
Field Height 80.85m



Front Warp Field Profile
Cross Section Area 10288.86 m²



Port Warp Field Profile
Cross Section Area 34024.80 m²



Top Warp Field Profile
Cross Section Area 65552.98 m²

WARP FIELDS

DEUTERIUM TANKER



General Information

Specific Role: Deuterium tankers are essential for the supply and refueling of starships. Tankers rarely travel unescorted in hostile areas since just about any space-faring vessel can use deuterium as a fuel source, including pirate vessels. Usually a few fighters accompany the tanker in the shuttle bay. A special fuel shuttle is standard issue with the tanker.

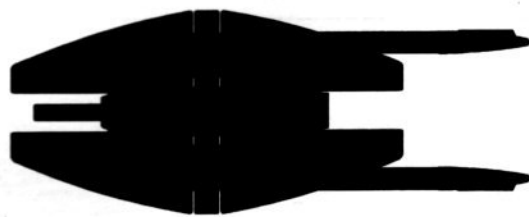
Physical Description: The modular design of the deuterium tanker allows it to be produced relatively inexpensively. The design revolves around a (SH117/C-M2) modified secondary hull with a (BS20/C-U8) standard bridge located over the front. The (DN2/D9) main navigational deflector is mounted in the very front of hull while a medium hangar bay is located in the rear facing aft. Two deuterium pods, with telescoping fueling booms, are mounted above and below the engineering hull on (DT/91-25F) connecting dorsals. Two (BP2/30-2C) phaser banks, one on the peak of each connecting dorsal, provide basic defense. Warp speed propulsion is provided by two (SW45/1-5RT) warp engine nacelles, mounted toward the rear, and are supported on (DU/35-6F) standard pylons. A (IRF35E/4-IR) dual impulse unit is located on the rear of the top tank connecting dorsal. In the event of an emergency the warp nacelles and deuterium pods can be independently jettisoned. The (M35/14-2E) intermix chamber can be ejected through the deflection crystal. The deuterium tanker can cruise on impulse for extended periods of time until help can arrive.

Class Emblem



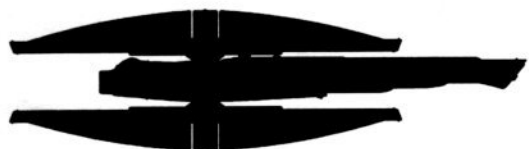
Ship Silhouettes

Total Target Area 30220.29 m²



Top Silhouette

Area 16513.91 m²



Port Silhouette

Area 9601.78 m²



Front Silhouette

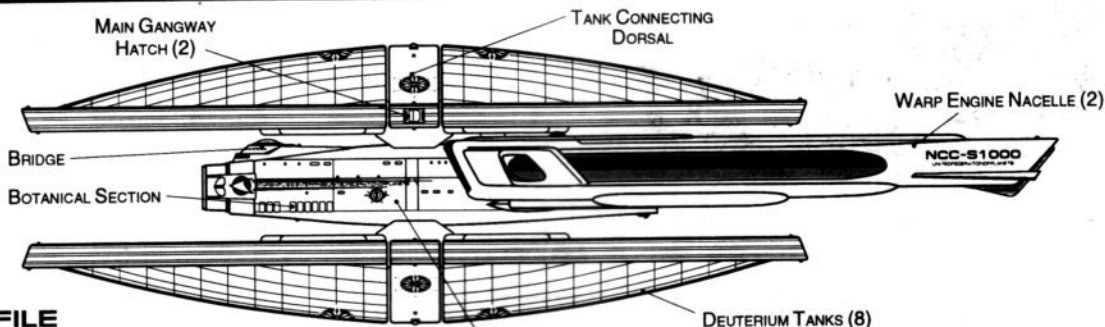
Area 4104.60 m²



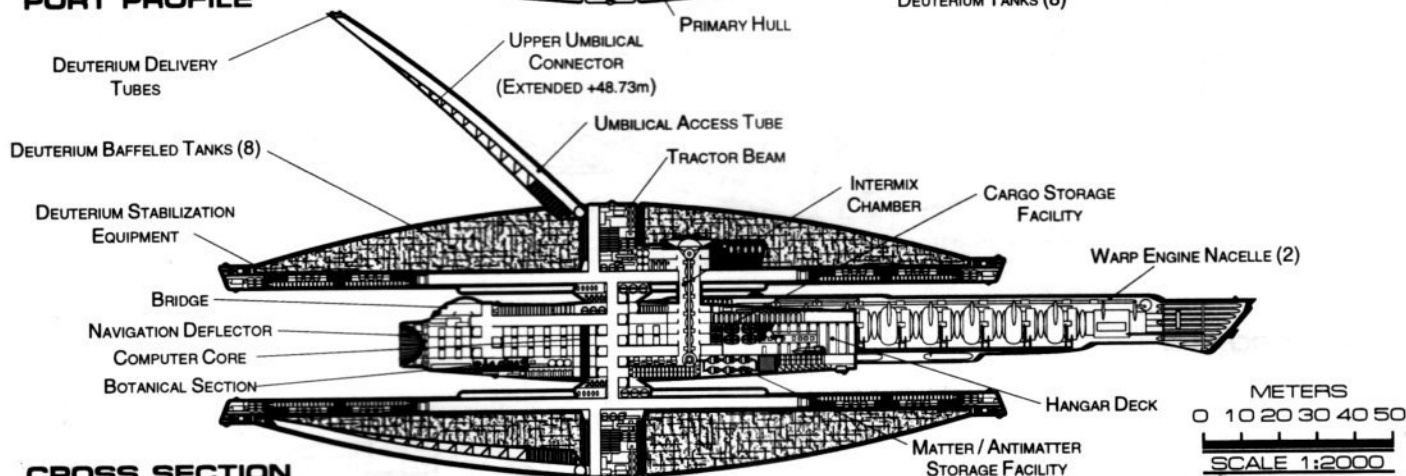
DEUTERIUM TANKER

HUNTINGTON CLASS

FEDERATION VESSEL



PORT PROFILE



CROSS SECTION

Statistics

Classification: Deuterium Tanker

Category: Tanker

Class: Huntington

Type: Class2

Model: MK2-VII

Naval Construction Contract: S1000

Number Proposed: 98

Number Constructed: 98

Number in Service: 93

Number Lost: 5

Dimensions:

Overall Dimensions (Meters)

Length: 261.00 m

Width: 102.48 m

Height: 70.33 m

Primary Hull Dimensions (Meters)

Length: 114.48 m

Width: 24.91 m

Height: 21.74 m

Secondary Hull Dimensions (Meters)

Length: 197.59 m

Width: 102.48 m

Height: 26.19 m

Warp Unit Dimensions (Meters)

Length: 154.81 m

Width: 12.63 m

Height: 18.32 m

Displacement (Metric Tons)

Light: 176640 mt

Standard: 189249 mt

Full Load: 211263 mt

Performance: mt

Impulse Units: Dual Unit (IRF35E/4-IR)

Impulse Engine Output: 3.90E+13 W

Impulse Power Index: 0.61

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.365 sec.

0.25-0.50 Impulse: 0.574 sec.

0.50-0.75 Impulse: 0.767 sec.

0.75-Full Impulse: 0.959 sec.

Warp Units: 2 Nacelle Units (SW45/1-5RT)

Warp Engine Output: 3.02E+15 W

Warp Power Index: 0.61

Optimum Speed: 4

Max. Safe Cruising: 6

Emergency Speed: 7

Max. Speed: 7.5

Destructive Speed: 8

Acceleration Power: 3

Acceleration Times:

Warp 1 - Warp 2: 0.330 sec.

Warp 2 - Warp 3: 0.528 sec.

Warp 3 - Warp 4: 1.998 sec.

Warp 4 - Warp 5: 2.873 sec.

Warp 5 - Warp 6: 3.071 sec.

Warp 6 - Warp 7: 3.319 sec.

Warp 7 - Warp 8: 4.260 sec.

Warp 8 - Warp 9: 6.093 sec.

Warp 9 - Warp 9.5: 13.540 sec.

Warp 9.5 - Warp 9.75: 15.687 sec.

Warp 9.75 - Warp 9.9: 32.530

Duration (Years)

Standard: 7 Years

Maximum: 28 Years

Std. Ships Complement: 52

Officers: 9

Crew (Ensign Grade): 43

Troops: 0

Passengers: 56

Emergency condition: + 137.268

Medical Facilities:

Doctors: 1

Nurses: 2

Operating Rooms: 1.0

Beds: 5

Laboratories: 6

Transporters Total: 27

1 Person: 0

2 Person: 0

6 Person: 1

12 Person: 0

22 Person: 1

Small Cargo: 13

Medium Cargo: 12

Large Cargo: 0

Super Cargo: 0

Brigs: 11

Replicators: 14

Tractor Beams:

Tow Capacity: 3.62E+06 mt

Max Range: 1.28E+05 km

Cargo Specification:

Standard Cargo Units: 2750

Cargo Capacity: 137500 mt

Shuttlecraft Specifications:

Docking Ports: 2

Shuttlecraft Bays Total: 1

Small Bay: 0

Medium Bay: 1

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 16

Work Bees: 2

Travel Pods: 2

Aquatic Shuttle: 1

Light Shuttle: 1

Standard Shuttle: 3

Heavy Shuttle: 1

Cargo Shuttle: 1

Tanker Shuttle: 5

Killer Bees: 0

Light Fighter: 0

Fighter: 0

Heavy Fighter: 0

Lifeboats: 2

Turbolift (8 person): 2

Lifeboat (10 person): 0

Lifeboat (20 person): 0

Lifeboat (30 person): 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 0.2063

Stellar Survey: 0.4125

Short Range: 0.4125

Long Range: 0.8250

Navigation: 0.4118

Special: 0.1292

Computers: 2

Type: Daystrom Duotronic II:b

Type: Daystrom Duotronic I:a

ECM Index: 0.50

Shield Rating:

Shield Index: 0.83

Holdoff Power: 9.38E+11 W

Refresh Rate: 2.67E+11 W

Breakdown Rate: 3.20E+11 W

Shield Dimensions (Meters)

Length: 391.50 m

Width: 153.72 m

Height: 105.50 m

Weapons:

Phaser Power Index: 0.083

Photon Power Index: 0.000

Vessel Power Index: 0.042

Weapon Placement:

Beam (Phasers) Total: 2 banks 2 each

Output: 5.00E+11 W / 3.7E11 W

Range: 2.50E+05 km

Rate of Fire: 30 ppm / Cont.

Forward Banks: 0

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 1

Lower Banks: 1

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: 0 Bays

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

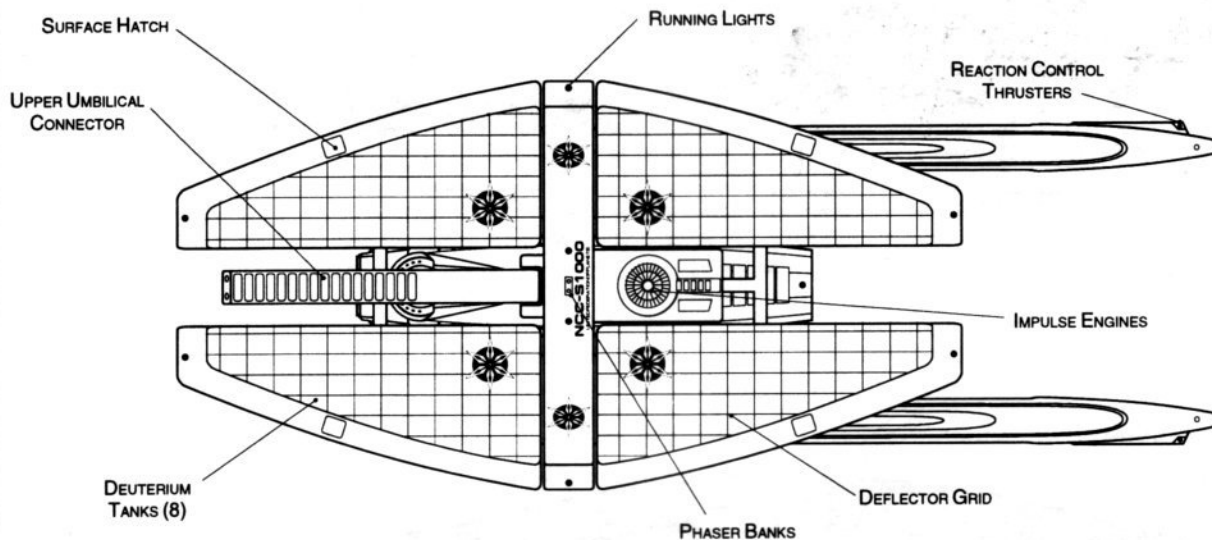
Port Bay: 0

Starboard Bay: 0

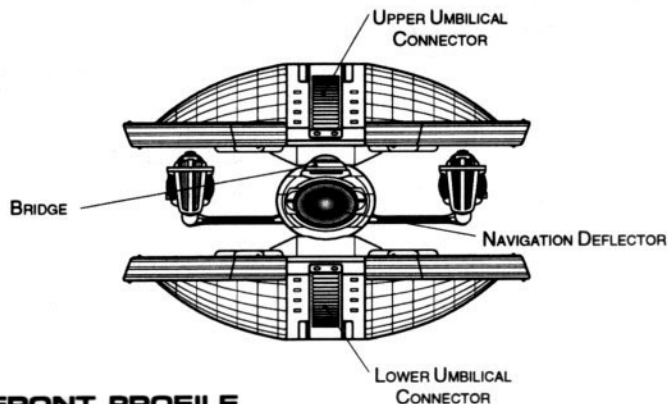
Upper Bay: 0

Lower Bay: 0

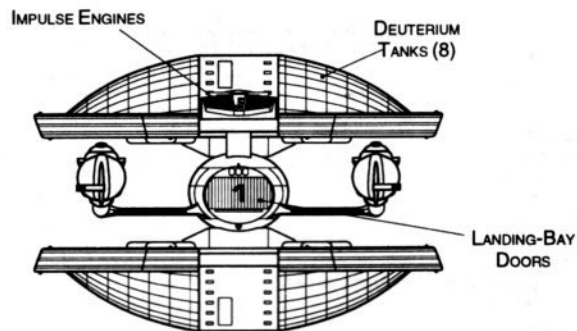
DEUTERIUM TANKER



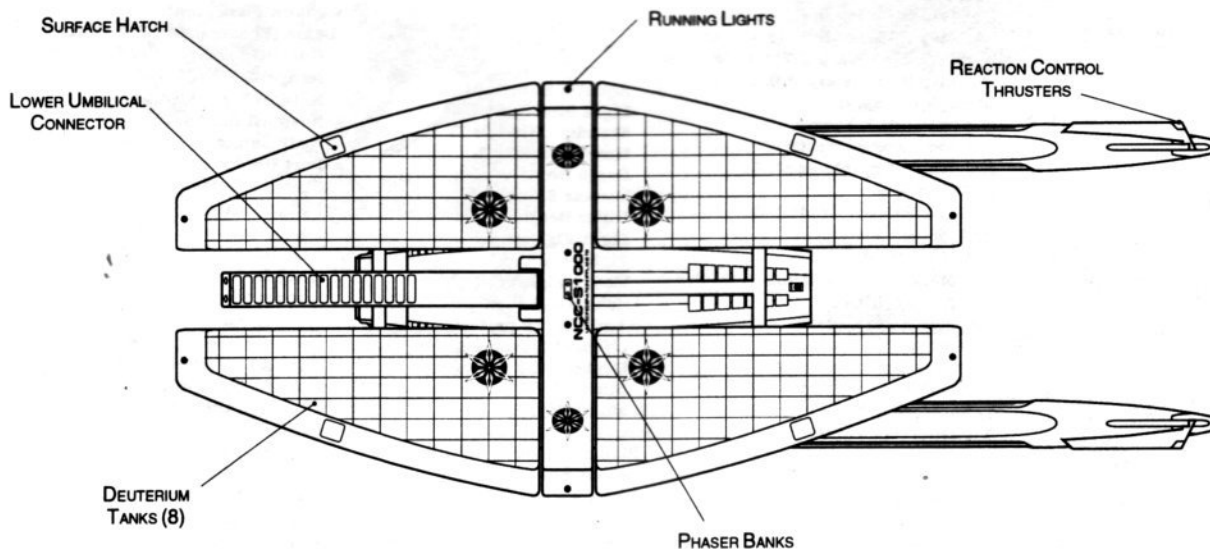
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40 50
SCALE 1:2000



DEUTERIUM TANKER

Ship Names

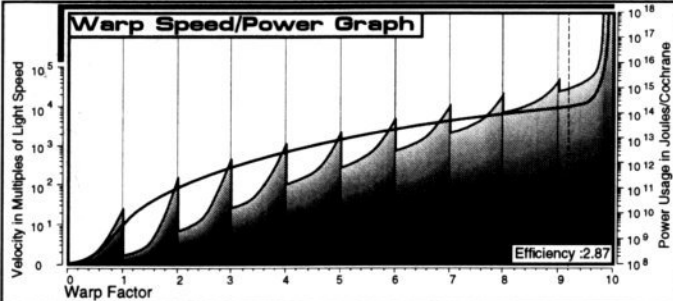
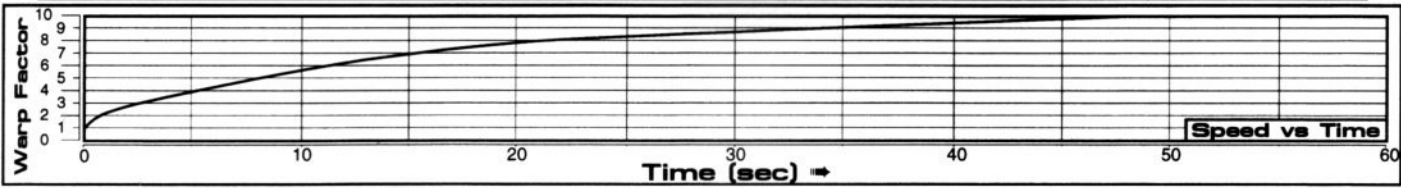
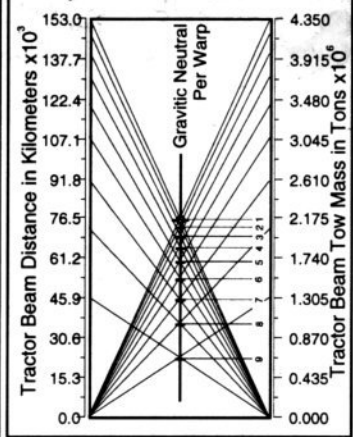
THE FOLLOWING SHIPS OF THE MK2-VII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2268.4

ALLISON • NCC-S1086	GAMBOA • NCC-S1053	MCALLISTER • NCC-S1073	RUSSELL • NCC-S1057
ALLSPAUGH • NCC-S1048	GESTES • NCC-S1044	MCJUNKIN • NCC-S1072	SALBERG • NCC-S1037
AUXER • NCC-S1079***	GIBSON • NCC-S1013	MEEKS • NCC-S1091***	SALIAN • NCC-S1043
AXELROD • NCC-S1029	GOLDMAN • NCC-S1067	MELNYK • NCC-S1023	SCHUENEMAN • NCC-S1020
BOWLING • NCC-S1056	GOYETTE • NCC-S1080	MERCEDARISN • NCC-S1025	SCRUGGS • NCC-S1088
BUCKMACER • NCC-S1036	HALBROOKS • NCC-S1085	MIKOVITZ • NCC-S1007	SEIVER • NCC-S1001
BURGESSON • NCC-S1018	HALIBURTON • NCC-S1049	MILLS • NCC-S1061***	SEXTON • NCC-S1038
CASTILLA • NCC-S1005	HAYWARD • NCC-S1078	MILOSEVICH • NCC-S1051	SHELLENBURG • NCC-S1074
CHARLEBOIS • NCC-S1011	HEBERLY • NCC-S1028	MOFFATT • NCC-S1045	SPEARMAN • NCC-S1070
CHYUNG • NCC-S1058	HUNTINGTON • NCC-S1000	MOLLENKOPF • NCC-S1015	STRASSER • NCC-S1092
CLAYBROOK • NCC-S1066	ILAGAN • NCC-S1054	MORAZAN • NCC-S1069	SUMMERS • NCC-S1024
CONWRIGHT • NCC-S1095	KELLOGG • NCC-S1034	MORIBER • NCC-S1081	TAWWATER • NCC-S1027
CRAFTON • NCC-S1033	KHAJA • NCC-S1017	MUSSULEWHITE • NCC-S1083	THULIN • NCC-S1009
CRANDELL • NCC-S1041	KOZLOWSKI • NCC-S1096	NAIDU • NCC-S1047	TILLEY • NCC-S1062
DANE • NCC-S1021	LAYTON • NCC-S1006	NISHIKAWA • NCC-S1077	TINNIN • NCC-S1052
DASGUPTA • NCC-S1089	LEVINE • NCC-S1010	NOBEL • NCC-S1030	TYNDELL • NCC-S1046***
DECORDOVA • NCC-S1003	LISTON • NCC-S1059	PETTIGREW • NCC-S1055	UNFRED • NCC-S1014
DENSFORD • NCC-S1039	LONGINO • NCC-S1065	POTEET • NCC-S1035	VICKERS • NCC-S1068
DISSMORE • NCC-S1075	MACEIUNUS • NCC-S1093	PROSSWIMMER • NCC-S1016	VOSS • NCC-S1082
ELMORE • NCC-S1071	MANZANARES • NCC-S1032	RAMMAGE • NCC-S1097	WESCOTT • NCC-S1084
FIEL • NCC-S1090	MAPULA • NCC-S1042	RENDON • NCC-S1004	WEY • NCC-S1050
FITZPATRICK • NCC-S1022	MASILONGAN • NCC-S1019***	RIEBEL • NCC-S1012	WINKEL • NCC-S1076
FORSBERG • NCC-S1026	MATAACIA • NCC-S1087	RIX • NCC-S1060	WOLENER • NCC-S1031
FUSTON • NCC-S1008	MATSEYK • NCC-S1002	ROCKY • NCC-S1064	
GABLE • NCC-S1063	MAYEKAWA • NCC-S1040	ROUNTREE • NCC-S1094	

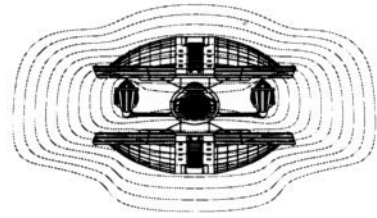
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH U.S.S.

Tractor Beam Specifications

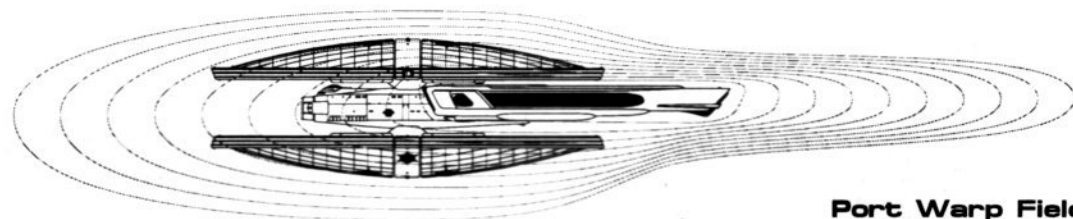
Primary Tractor Beam Load Calculator



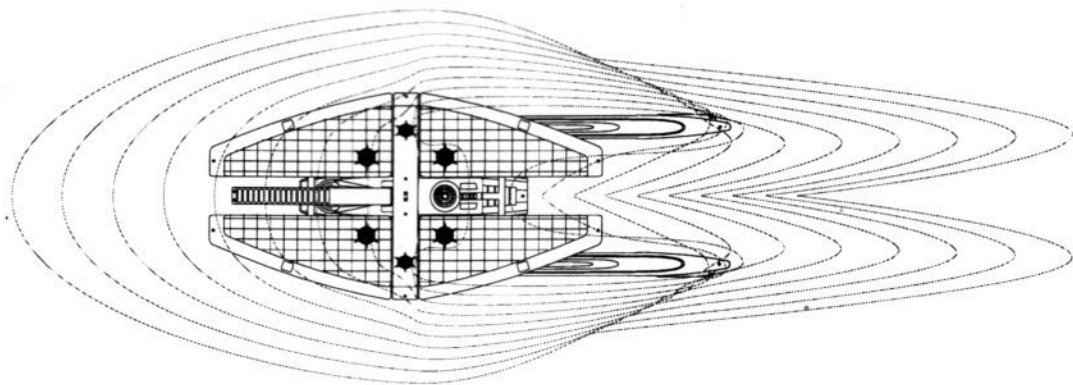
Field Length 534.42m
Field Width 184.18m
Field Height 104.67m



Front Warp Field Profile
Cross Section Area 15020.98 m²



Port Warp Field Profile
Cross Section Area 37346.36 m²



Top Warp Field Profile
Cross Section Area 65816.96 m²

WARP FIELDS

HUNTINGTON CLASS

FEDERATION VESSEL

SHUTUG



General Information

Specific Role: The Shutug is small and powerful tractor beam tow vehicle. It is primarily used around space-docks and planetary facilities. Since this craft was designed strictly for support duty it does not need warp engines. However, two Shutugs have enough impulse power to safely move a Heavy Cruiser.

Physical Description: The Shutugs boxy hull is equipped with two doors on either side of the cockpit. The pilot and tractor beam technician sit beneath the large canopy in the nose of the craft. Positioned on the front and on the top of the shuttle are (SNPA12/2-7) navigational sensor arrays. No Phasers are included in the standard configuration. Propulsion is provided by (SIS10-2/100) impulse drive engines slung underneath like little feet. Cowlings have been added to the engines to help cool the plasma coils during atmospheric use.

Class Silhouettes

Total Target Area 167.30 m²



Top Silhouette

Area 89.68 m²



Port Silhouette

Area 48.21 m²



Front Silhouette

Area 29.41 m²

Statistics

Classification: ShuTug (Shuttle Tug)

Category: Shuttlecraft

Class: Clydesdale

Type: Class 5

Model: MK-XXIV

Naval Construction Contract: CS-104

Dimensions:

Overall Dimensions (Meters)

Length: 13.97m

Width: 7.05m

Height: 4.84m

Displacement (Metric Tons)

Light: 9.20mt

Standard: 10.56mt

Full Load: 12.59mt

Performance:

Impulse Units: (SIS10-2/100)

Impulse Engine Output: 6.7x10⁶ W

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.344 sec.

0.25-0.50 Impulse: 0.416 sec.

0.50-0.75 Impulse: 0.588 sec.

0.75-Full Impulse: 0.530 sec.

Warp Units: 0

Warp Engine Output: N/A

Optimum Speed: N/A

Max. Safe Cruising: N/A

Emergency Speed: N/A

Max. Speed: N/A

Destructive Speed: N/A

Acceleration Power: N/A

Acceleration Times:

Warp 1 - Warp 2: N/A

Warp 2 - Warp 3: N/A

Warp 3 - Warp 4: N/A

Warp 4 - Warp 5: N/A

Warp 5 - Warp 6: N/A

Warp 6 - Warp 7: N/A

Warp 7 - Warp 8: N/A

Warp 8 - Warp 9: N/A

Warp 9 - Warp 9.5: N/A

Warp 9.5 - Warp 9.75: N/A

Warp 9.75 - Warp 9.9: N/A

Duration (Years)

Standard: 5 Years

Maximum: 20 Years

Std. Ships Complement: 1

Crew: 1

Passengers: 3

Emergency condition: +4

Transporters Total: 0

1 Person: 0

2 Person: 0

6 Person: 0

Small Cargo: 0

Medium Cargo: 0

Tractor Beams: 2

Tow Capacity: 7.82x10⁵mt

Max Range: 9.35x10¹km

Cargo Specification:

Standard Cargo Units: 4

Cargo Capacity: 10.58

Shuttlecraft Specifications:

Docking Ports: 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.002

Stellar Survey: 0.988

Short Range: 1.103

Long Range: 0.958

Navigation: 0.997

Special: 0.896

Computers: 2

Type: Norray-Magne 20:d

Type: Norray-Magne 12:k

Shield Rating:

Holdoff Power: 4.22x10⁸ W

Refresh Rate: 1.62x10⁸ W

Breakdown Rate: 1.72x10⁸ W

Shield Dimensions (Meters)

Length: 15.42m

Width: 12.45m

Height: 5.85m

Weapons:

Weapon Placement:

Beam (Phasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward Banks: 0

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (HeavyPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Missiles (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

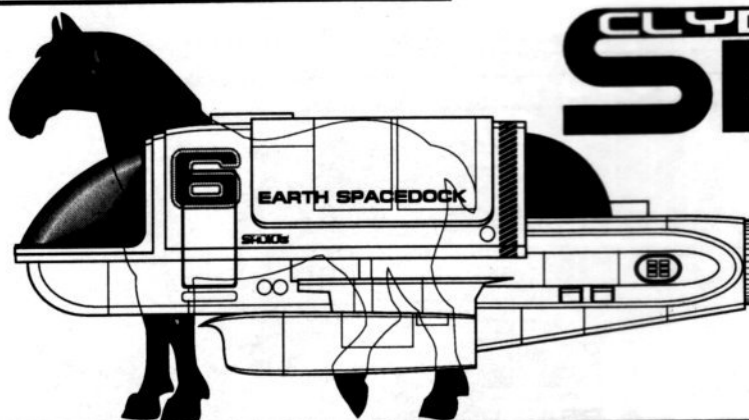
Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

Craft Emblem



CLYDESDALE CLASS SHUTUG



SHUTUG

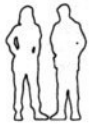
CLYDESDALE CLASS

FEDERATION CRAFT

MAIN GANGWAY
HATCH

TRACTOR BEAM
POWER SUPPLY

TRACTOR BEAM
EMITTER



PORT PROFILE

IMPULSE ENGINES (2)

TRACTOR BEAM HOUSING

VIEWPORT

SENSOR ARRAY

TRACTOR BEAM
POWER SUPPLY

TOP PROFILE

METERS
0 0.5 1 1.5 2
SCALE 1:95

IMPULSE ENGINES (2)

TRACTOR BEAM
EMITTER

FORWARD SENSOR ARRAY

BOTTOM PROFILE

VIEWPORT

TRACTOR BEAM
POWER SUPPLY

FORWARD
SENSOR
ARRAY

TRACTOR BEAM
EMITTER

FRONT PROFILE

REAR PROFILE

STARFLEET REFERENCE MANUAL

DOCKPORT CRAFT



General Information

General Description: The Dockport Craft, originally designed by the Taiya Design Institute of Vulcan, was adopted for use throughout the Federation. These craft are used by Federation officials, ambassadors and starfleet personnel for transportation within the Federation's borders. They are designed and built around the accepted federation standard docking ring. These vehicles can travel for several standard months with only moderate resupply during rendezvous. All Taiya Dockport craft are designed to use the same warp-sled and most auxiliary attachment systems.

Light Shuttle: The Chisu Class Light Shuttle is generally used for transporting no more than six passengers at a time. Forward is the wedge-shaped atmospheric shield protecting the nose of the craft. Access is through the port side access hatch, rear docking tube and lower iris hatch. The shuttles (SME22/2BC) sensor array is located on the underside. Protection is provided by three (BP1/6-1D) phasers, one just forward of the sensor array and two located port and starboard on the upper deck. Propulsion is provided by an internal (DP3/5-Q) impulse unit. (Chisu: *Vulcan for short*)

Cargo: The Fikaru Class Cargo Shuttle is used for transporting cargo, crewed by a pilot and can carry optional passengers. Forward is the wedge-shaped atmospheric shield protecting the nose of the craft. Access is through the port side access hatch, rear docking tube, port/starboard cargo hatches and upper/lower iris hatches. The shuttles (SME22/2GH) sensor array is located on the underside. Protection is provided by four (BP1/6-1D) phasers, two just forward of the sensor array and two located port and starboard on the upper deck. Propulsion is provided by an internal (DP3/5-Q) impulse unit. (Fikaru: *Vulcan for strong*)

Standard: The Manasu Class Standard Shuttle is the original Vulcan shuttle design. Two crew and eight passengers are standard complement. Forward is the wedge-shaped atmospheric shield protecting the nose of the craft. Access is through the port side access hatch, rear docking tube/upper and lower iris hatches. The shuttles (SME22/2YT) sensor array is located on the underside. Protection is provided by four (BP1/6-1D) phasers, two just forward of the sensor array and two located port and starboard on the upper deck. Propulsion is provided by an internal (DP3/5-Q) impulse unit. (Manasu: *Vulcan for leg*)

Heavy Shuttle: The Atai Class Heavy Shuttle has a standard crew of four and up to fourteen passengers. Forward is the wedge-shaped atmospheric shield protecting the nose of the craft. Access is through the port side access hatch, rear docking tube and upper/lower iris hatches. The shuttles (SME22/2EK) sensor array is located on the underside. Protection is provided by four (BP1/6-1D) phasers, two just forward of the sensor array and two located port and starboard on the upper deck. Propulsion is provided by an internal (DP3/5-Q) impulse unit. (Atai: *Vulcan for far*)

Warp Sled: The Tai Class Warp Sled adds extended warp capability to the Taiya Dockport craft. The sled can cruise at warp 4 with a max. speed of warp 4.78. The sled is designed around a shuttle attachment platform with two (IP25E/4-IU)/(SW25/2-10S) impulse/micro-warp nacelles slung to each side. The sled is equipped with a (SME22/2ED) sensor array. (Tai: *Vulcan for long*)

Modules

Aquatic Encasement: This device seals the sensitive components underneath the Taiya Dockport craft and provides bouancy and propulsion at depths of 100 meters or less.

Communication Module: Provides high gain reception and high power transmission for deep space communications.

Fuel Module: Adds fuel storage to extend power reserves and range of Dockport craft.

Impulse Module: Provides additional impulse power to Dockport craft.

Manipulation Module: Adds manipulator arms to the front of Dockport craft.

Micro Warp Nacelles: Adds light warp capabilities to the Taiya Dockport craft.

Phaser Module: Adds medium phaser capability for basic defense and cutting.

Photon Torpedo Module: Adds photon missile capability to the shuttle.

Research Module: Adds research gathering and wide-band diagnostic tools.

Sensor Array Module: Adds focused specific band probing capability.

Survey Module: Used by small science teams for stellar body surveys.

Tractor Beam Module: Adds tractor beam towing and manipulation capability to the shuttle.

Tow Hitch Module: Adds physical towing connections to unusual objects.

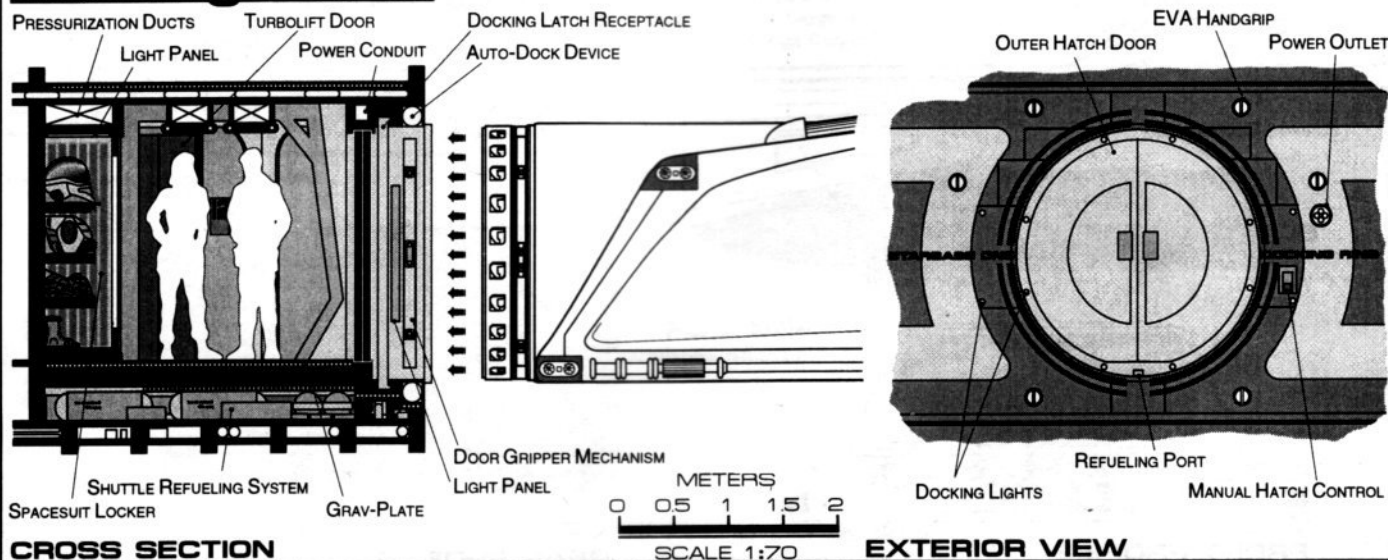
Medical Pod: Provides medical facilities for Dockport craft comprised of 2 doctors, 14 emergency bunks and light surgical facilities.

Passenger Pod: Adds independently powered accommodations for 20 passengers.

Cargo Pod: Doubles the volume of cargo space to any Dockport craft.

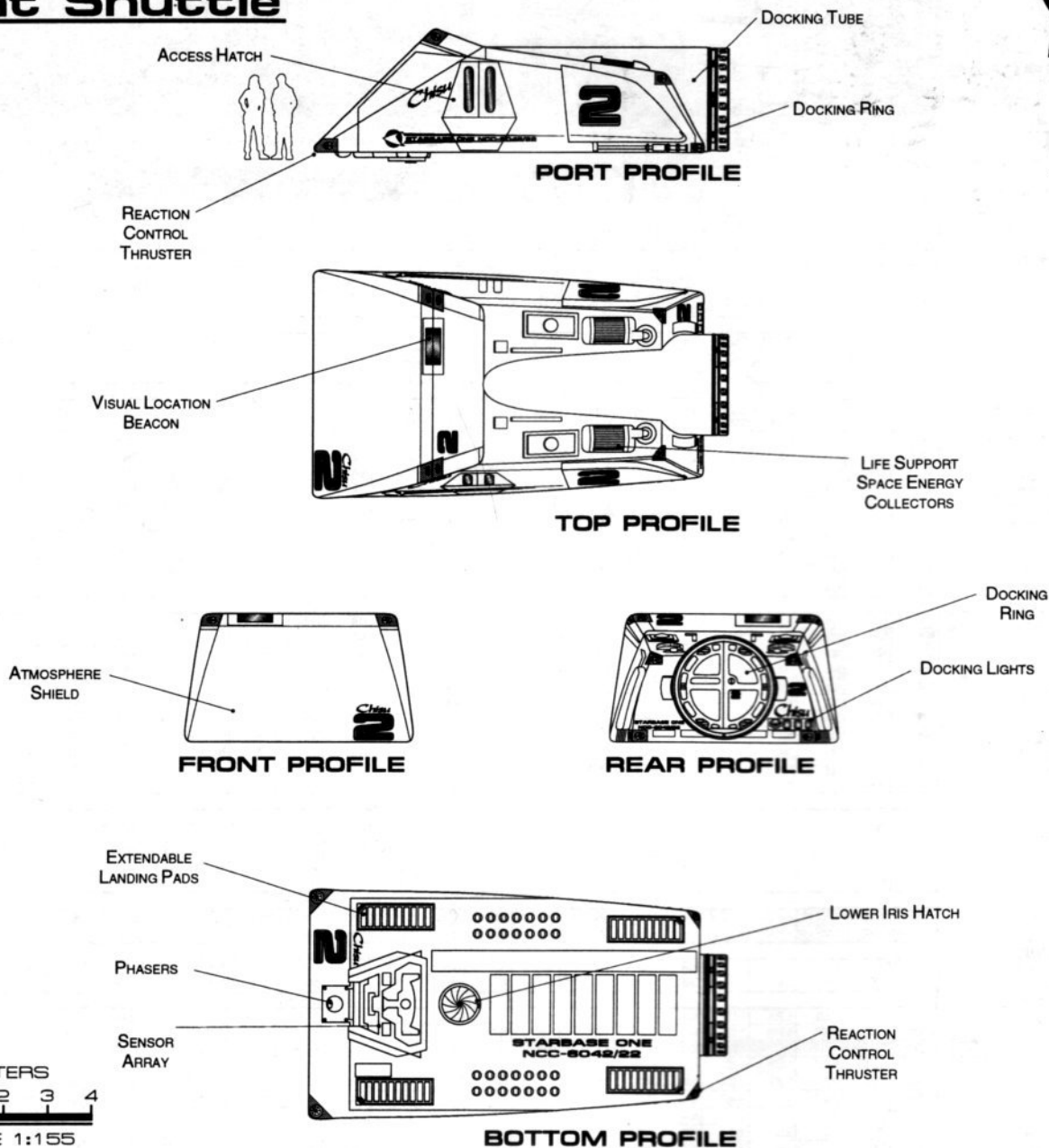
Light Cargo Pod: Adds a little extra cargo space to any Dockport craft.

Docking Port



DOCKPORT CRAFT

Light Shuttle



Class Emblem



Craft Silhouettes

Total Target Area 80.78 m²

Front Silhouette
Area 14.72 m²

Top Silhouette
Area 45.08 m²

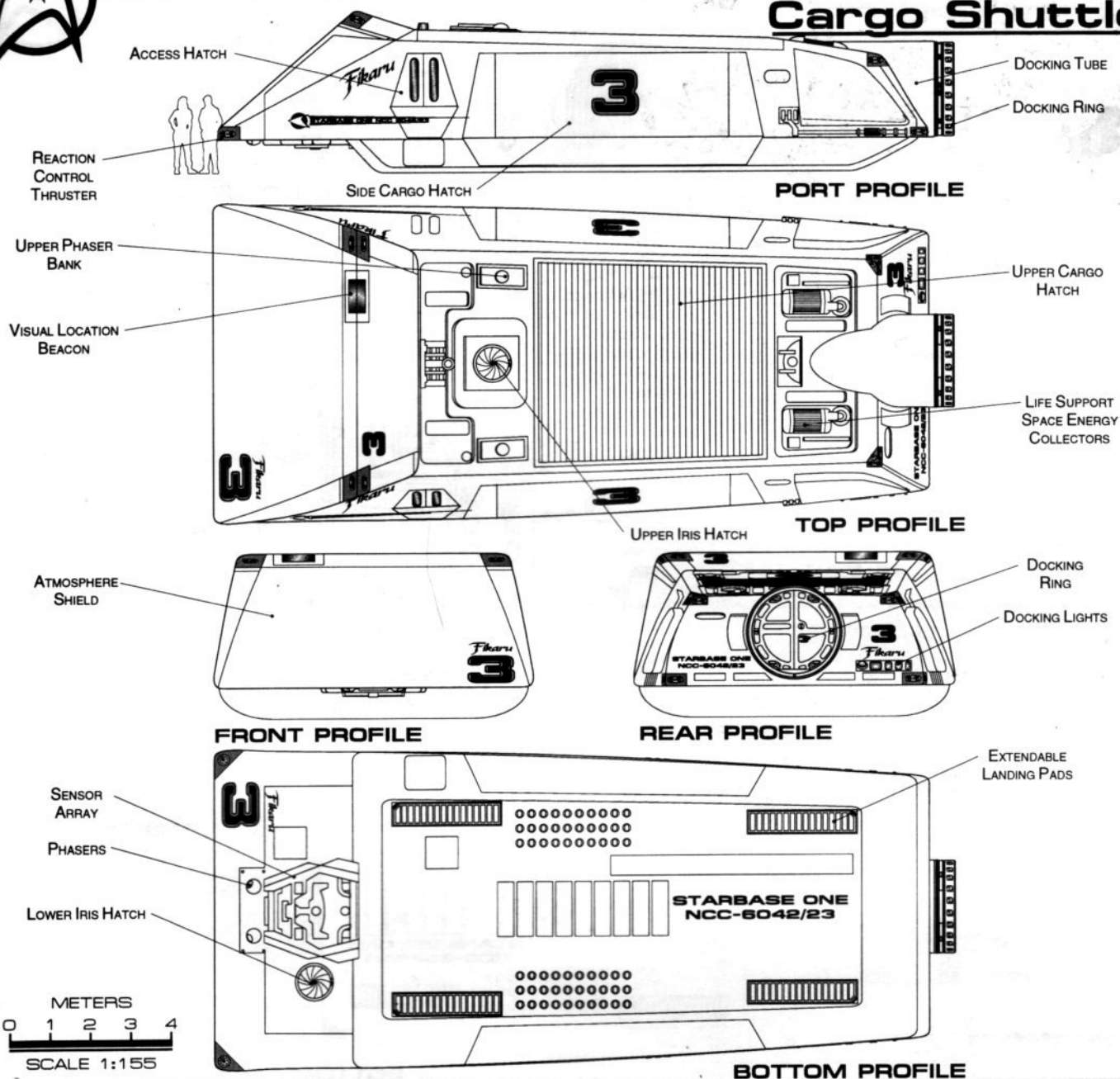
Port Silhouette
Area 20.96 m²



DOCKPORT CRAFT

Cargo Shuttle

FIKARU CLASS

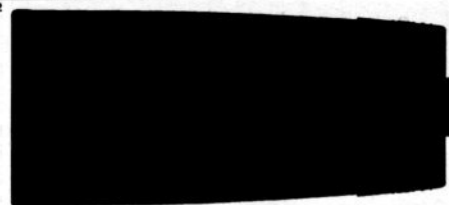


Class Emblem



Craft Silhouettes

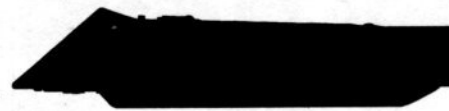
Total Target Area 224.24 m²



Top Silhouette
Area 135.16 m²



Front Silhouette
Area 30.96 m²



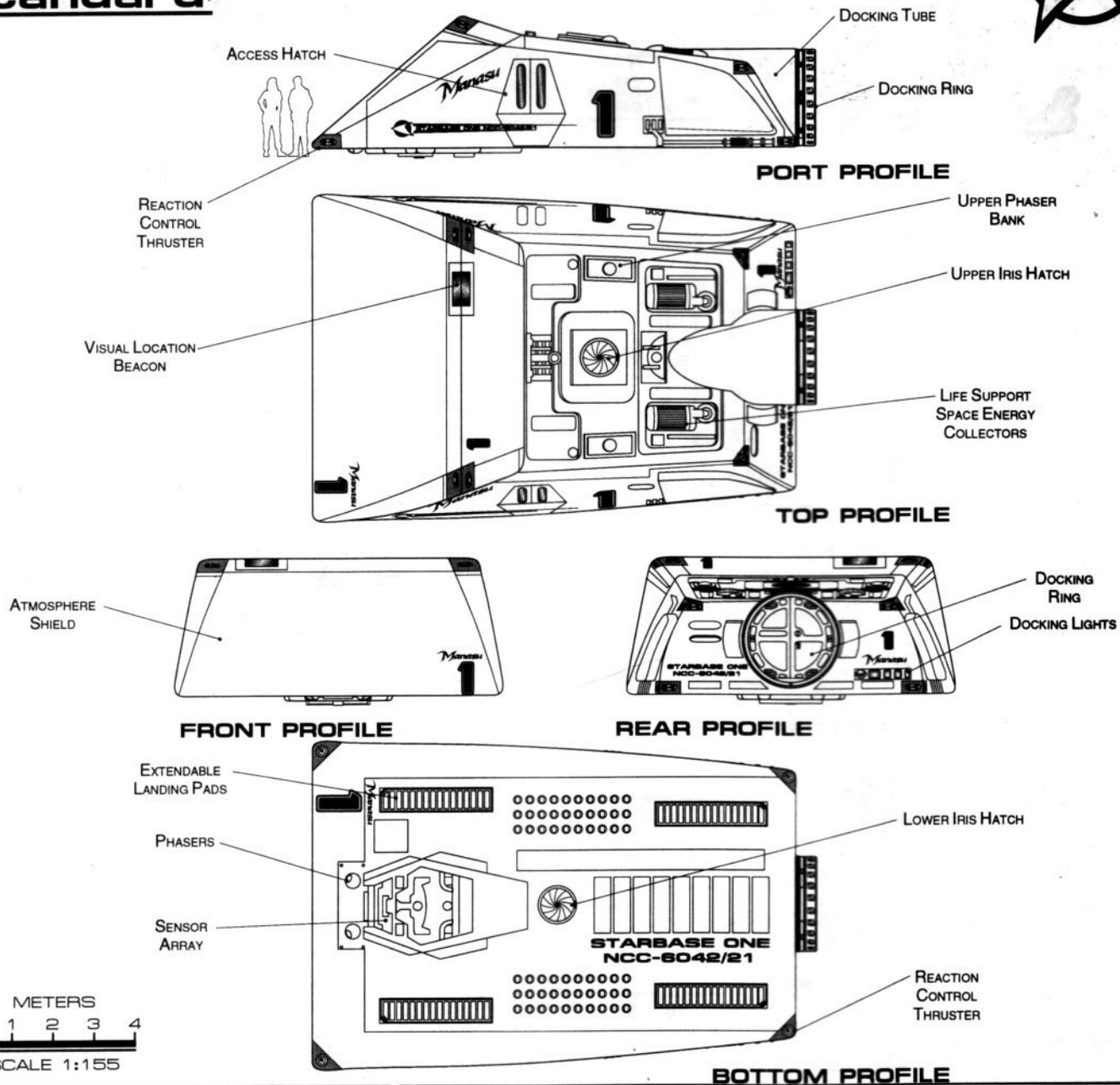
Port Silhouette
Area 56.08 m²

STARFLEET REFERENCE MANUAL

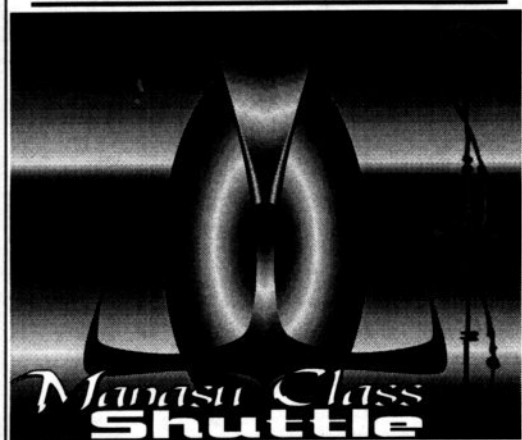
FEDERATION CRAFT

DOCKPORT CRAFT

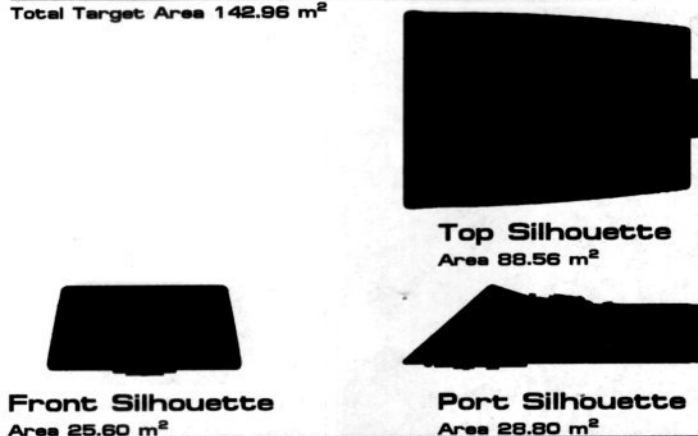
Standard



Class Emblem

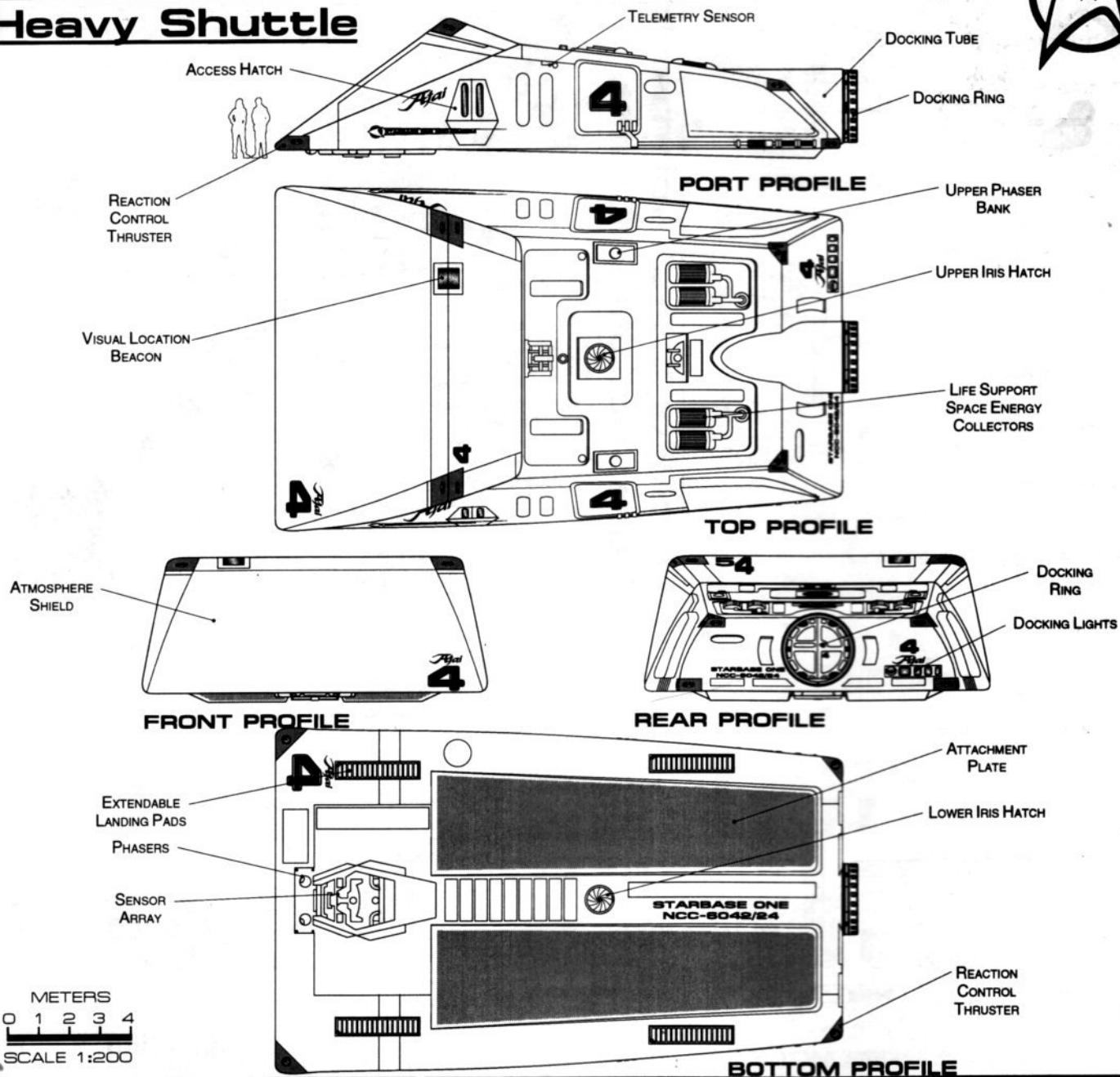


Craft Silhouettes

Total Target Area 142.96 m²

DOCKPORT CRAFT

Heavy Shuttle



Class Emblem



Craft Silhouettes

Total Target Area 290.12 m²

Top Silhouette
Area 188.44 m²



Front Silhouette
Area 47.64 m²



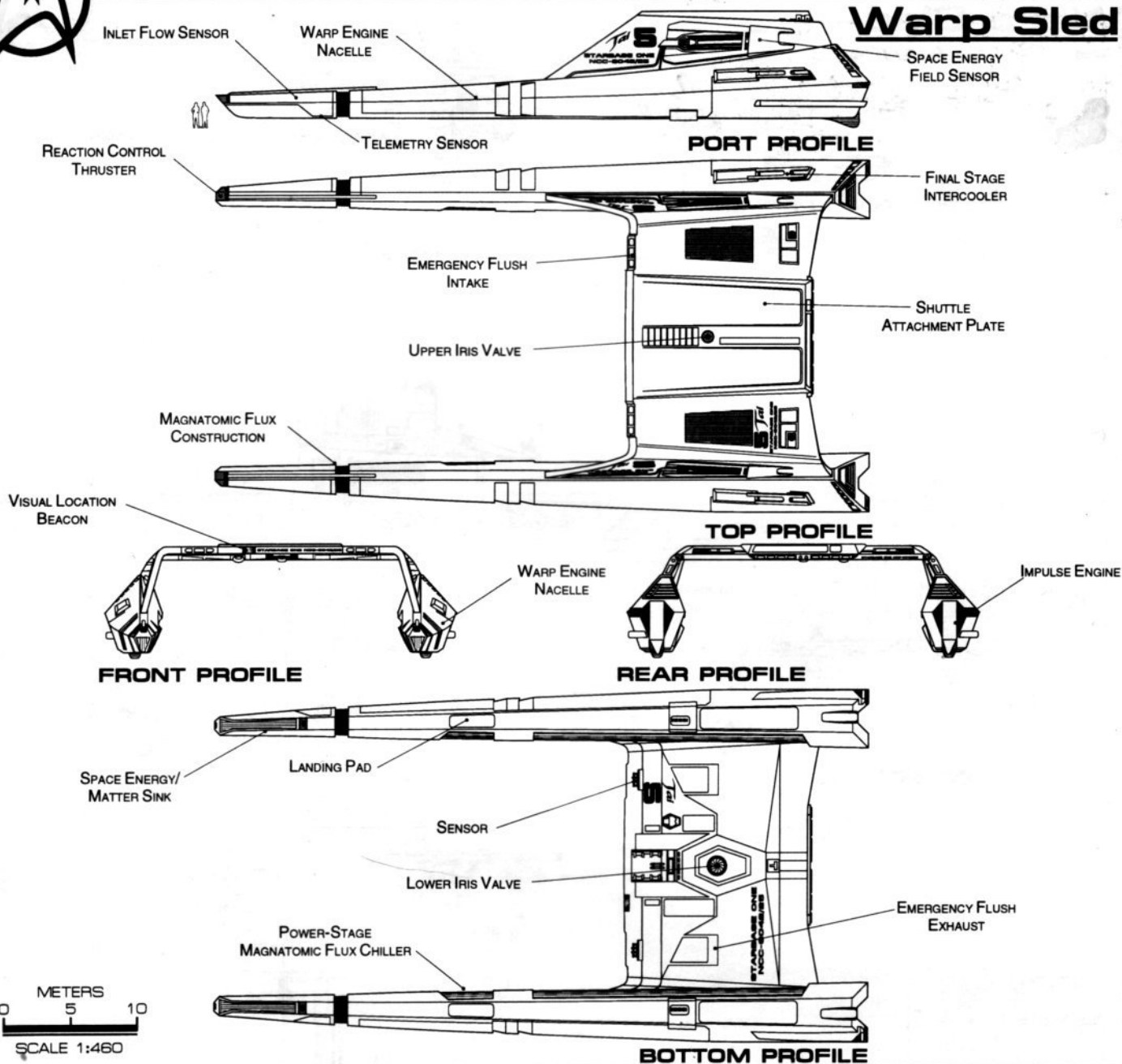
Port Silhouette
Area 53.84 m²



DOCKPORT CRAFT

Warp Sled

TAI CLASS

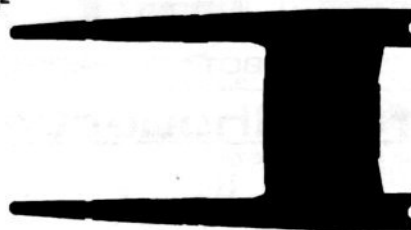


Class Emblem

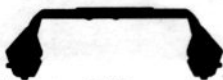


Craft Silhouettes

Total Target Area 876.94 m²



Top Silhouette
Area 571.64 m²



Front Silhouette
Area 63.32 m²



Port Silhouette
Area 221.96 m²

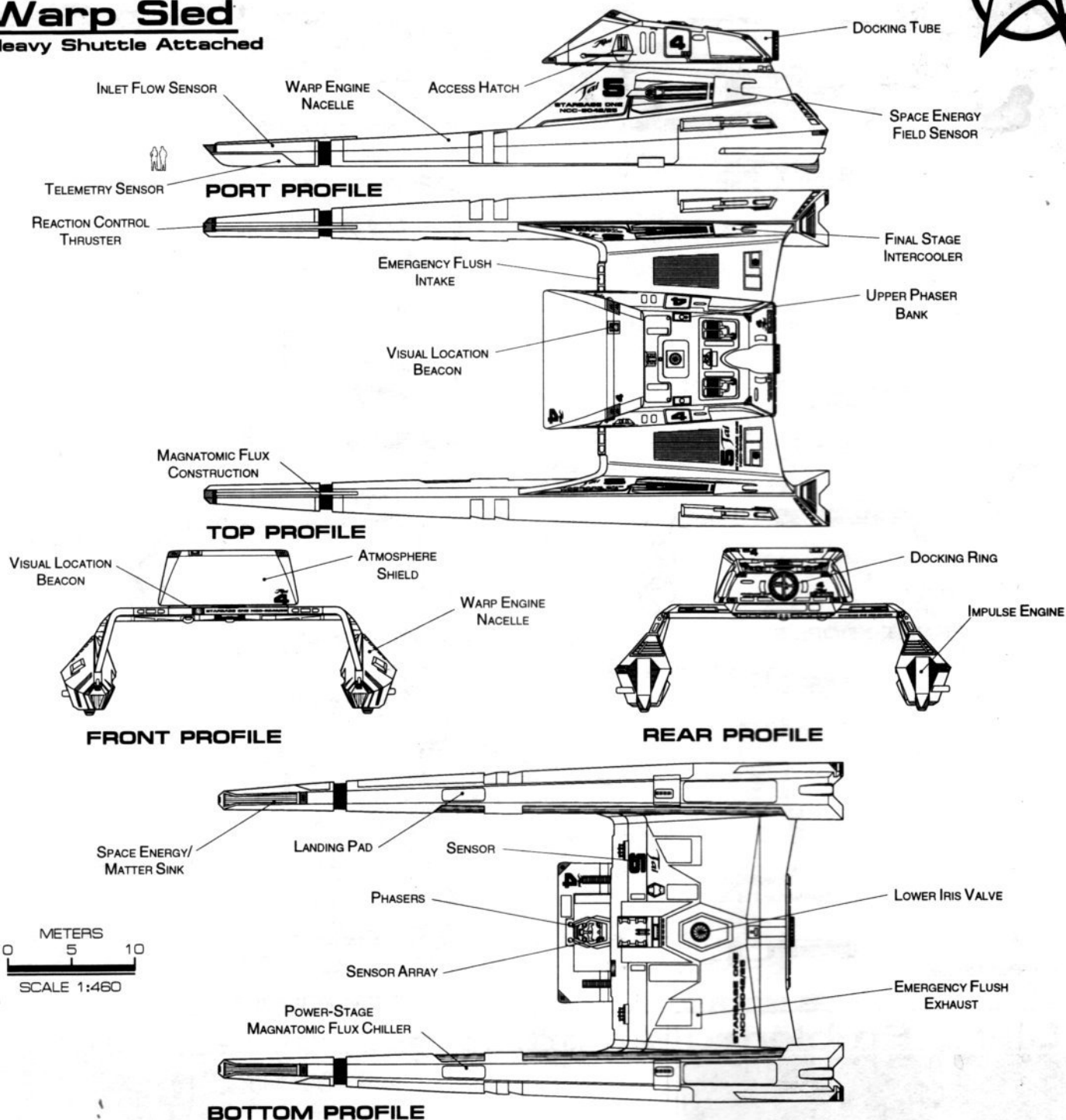
FEDERATION CRAFT

DOCKPORT CRAFT



Warp Sled

Heavy Shuttle Attached



Craft Silhouettes

Total Target Area 1022.87 m²



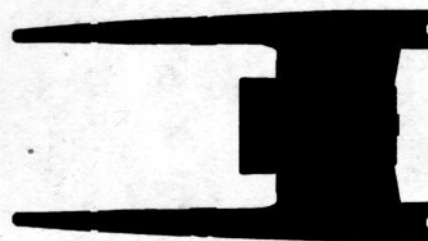
Front Silhouette

Area 111.19 m²



Port Silhouette

Area 279.72 m²



Top Silhouette

Area 631.96 m²

TRAVEL POD

General Information

Specific Role: The main purpose of the Travel Pod is for short range observation missions, and is generally used around construction sites for observation and transportation of work crews to their assignments. The Travel Pod is strictly a zero-g operational vehicle.

Physical Description: Located along the front of the pod is a large viewing canopy. Mounted on the front of the pod are 32 raised (SMDN4/2-1) sensor panels. A (DRM1-2A) docking ring provides egress through the rear when attached to an air-lock. Fine maneuvering, for the pod, is provided by reaction control thrusters on either side of the rear. The Travel Pod is equipped with a (IM4/5-2DA) reactionless gravitic drive system for primary propulsion.

For additional detail refer to Datasheet MVD-1

Class Emblem



Statistics

Classification: Travel Pod

Category: Shuttlecraft

Class: Viewer

Type: Class 5

Model: MK-IIc

Naval Construction Contract: TP-15

Dimensions:

Overall Dimensions (Meters)

Length: 4.34m

Width: 3.20m

Height: 2.76m

Displacement (Metric Tons)

Light: 1.89mt

Standard: 1.95mt

Full Load: 2.50mt

Performance:

Impulse Units: Thrusters

Impulse Engine Output: 7.8×10^5 W

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 4×10^5 sec.

0.25-0.50 Impulse: N/A

0.50-0.75 Impulse: N/A

0.75-Full Impulse: N/A

Warp Units: N/A

Warp Engine Output: N/A

Optimum Speed: N/A

Max. Safe Cruising: N/A

Emergency Speed: N/A

Max. Speed: N/A

Destructive Speed: N/A

Acceleration Power: 0

Acceleration Times:

Warp 1 - Warp 2: N/A

Warp 2 - Warp 3: N/A

Warp 3 - Warp 4: N/A

Warp 4 - Warp 5: N/A

Warp 5 - Warp 6: N/A

Warp 6 - Warp 7: N/A

Warp 7 - Warp 8: N/A

Warp 8 - Warp 9: N/A

Warp 9 - Warp 9.5: N/A

Warp 9.5 - Warp 9.75: N/A

Warp 9.75 - Warp 9.9: N/A

Duration (Years)

Standard: 3 Years

Maximum: 8 Years

Std. Ships Complement: 1

Crew: 1

Passengers: 7

Emergency condition: +4

Transporters Total: 0

1 Person: 0

2 Person: 0

6 Person: 0

Small Cargo: 0

Medium Cargo: 0

Tractor Beams: N/A

Tow Capacity: N/A

Max Range: N/A

Cargo Specification:

Standard Cargo Units: N/A

Cargo Capacity: N/A

Shuttlecraft Specifications:

Docking Ports: 1

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 0.451

Stellar Survey: 0.215

Short Range: 0.987

Long Range: 0.115

Navigation: 0.012

Special: 1.021

Computers: 1

Type: Norray-Magne 15:c

Type: N/A

Shield Rating:

Holdoff Power: 4.72×10^4 W

Refresh Rate: 1.34×10^4 W

Breakdown Rate: 1.61×10^{14} W

Shield Dimensions (Meters)

Length: 5.21m

Width: 3.84m

Height: 3.31m

Weapons:

Weapon Placement:

Beam (Phasers) Total: N/A

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward Banks: 0

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (HeavyPhasers) Total: N/A

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Missiles (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: 0

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

Craft Silhouettes

Total Target Area 30.74 m^2

Average Target Area 10.25 m^2



Top Silhouette

Area 12.40 m^2

Port Silhouette

Area 11.00 m^2



Front Silhouette

Area 7.34 m^2

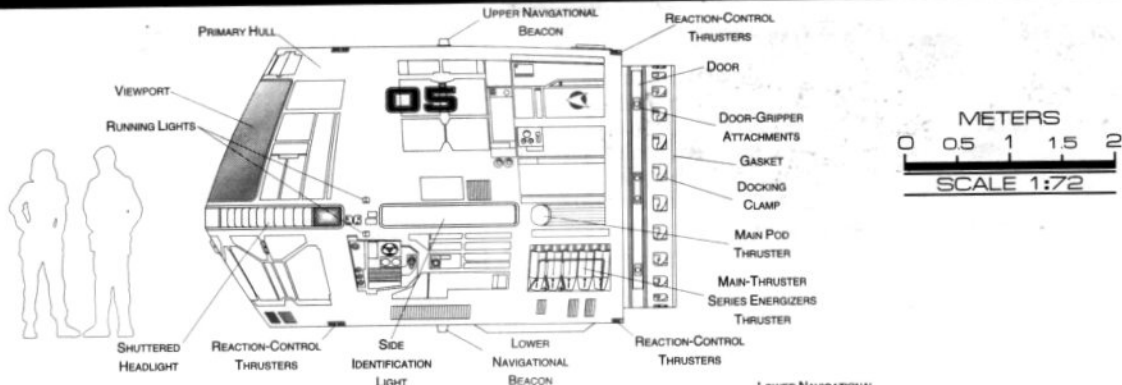




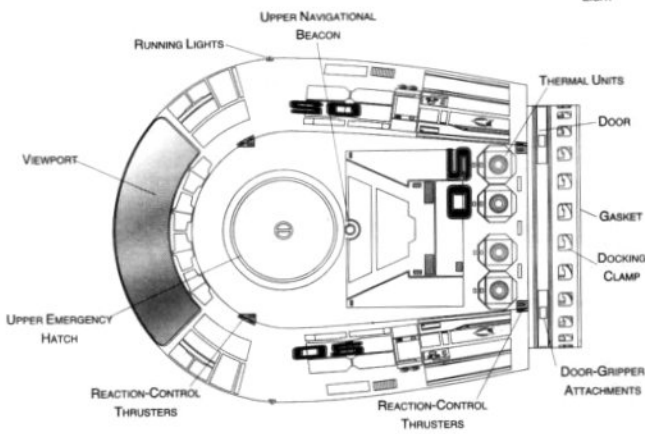
TRAVEL POD

VIEWER CLASS

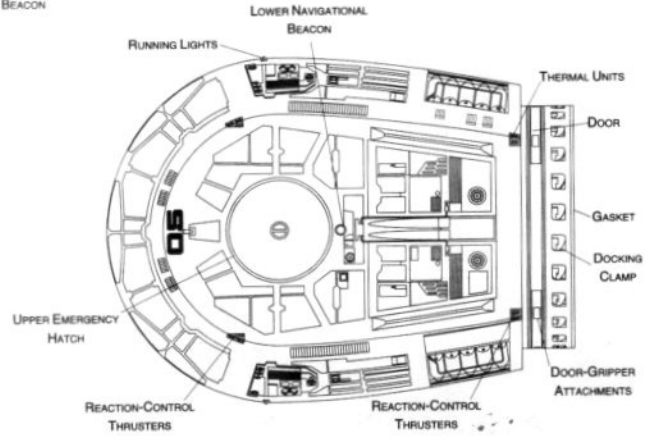
PORT PROFILE



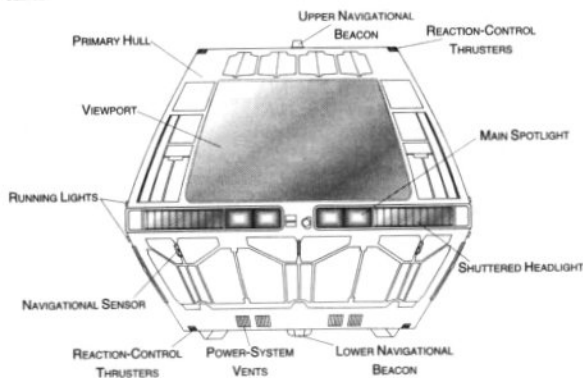
TOP PROFILE



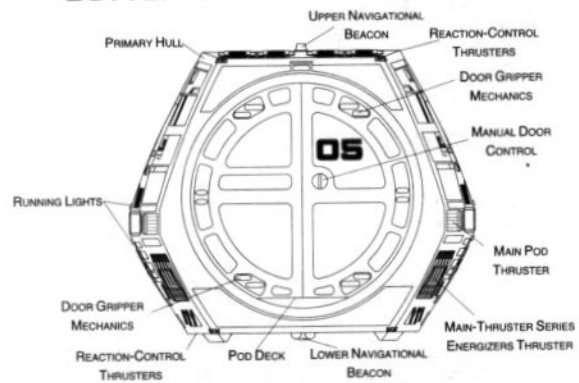
BOTTOM PROFILE



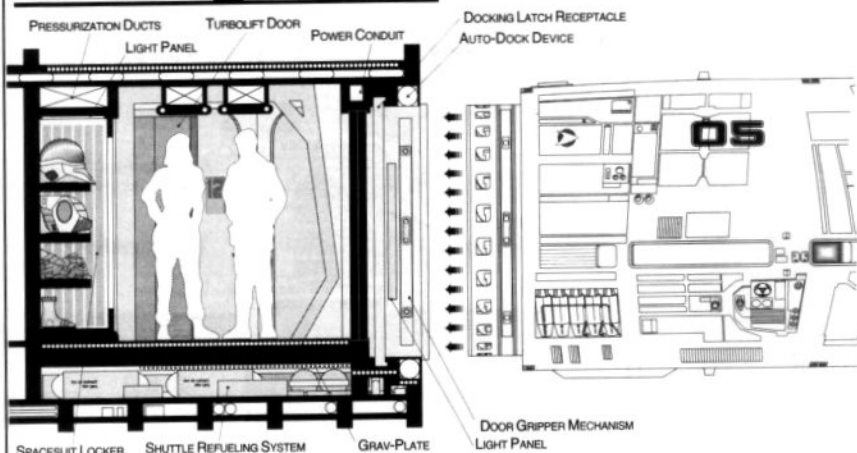
FRONT PROFILE



REAR PROFILE

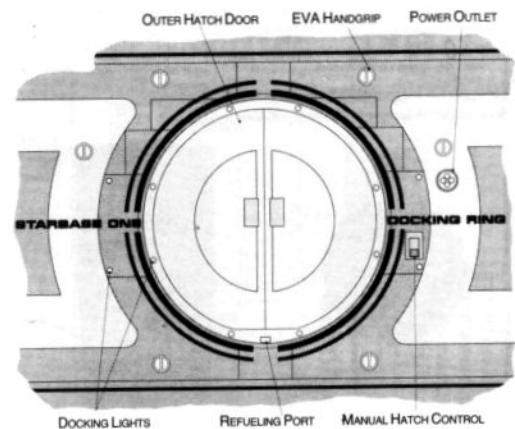


Docking Port



CROSS SECTION

EXTERIOR VIEW



FEDERATION CRAFT

GENERAL UTILITY CRAFT



General Information

Specific Role: The WorkBee family of general utility vehicles are designed to fulfill almost all utility craft roles. This family of craft is based on a modular system built around the basic WorkBee vehicle.

WorkBee: The WorkBee is basically a single operator, general purpose cockpit with a rudimentary drive system. It has been designed to accommodate a whole range of modular components. The cockpit control system is automatically reconfigured with each new modular attachment. The WorkBee by itself is no more than a viewing cockpit, but with its modules attached it is able to perform various specific missions.

DualBee: The DualBee is a WorkBee with a two person cockpit. The DualBee is compatible with most WorkBee modules (Refer to WorkBee Attachment Compatibility Chart for exact compatibility with various attachments).

AssaultBee: The AssaultBee is a light weapons module that gives the Bee both weapons and warp capability.

SuperBee: The SuperBee module gives the Bee tractor beams, warp capability, and additional sensors and towing capacity. The SuperBee can still utilize most of the other modules (Refer to WorkBee Attachment Compatibility Chart for exact compatibility with various attachments).

KillerBee: The KillerBee module turns the Bee into a light fighter with phaser, photons, warp capability and additional sensors.

Cargo Train: The Cargo Train module allows multiple cargo pods to be chained together for transportation.

Passenger Train: The Passenger Train module allows multiple passenger and medical pods to be chained together for transportation.

Tanker Train: The Tanker Train module can be used for liquid or bulk transport.

Booster Pack: The Booster Pack gives the Bee additional towing capacity and minor warp capability.

Clamper Pack: The Clamper Pack allows the Bee to grasp and clamp objects.

Cutter Pack: The Cutter Pack gives the Bee an external fusion cutting torch.

Drone Pack: The Drone Pack contains an independent computer to perform operations that do not require an operator.

Floodlight Pack: The Floodlight Pack is used for large scale illumination.

Grabber Pack: The Grabber Pack allows the Bee to grasp and manipulate objects.

Heavy Booster Pack: The Heavy Booster Pack gives the Bee additional towing capacity and medium warp capability.

Sensor Pack: The Sensor Pack increases the Bees standard sensor range.

Spinner Pack: The Spinner Pack allows the Bee to spot weld and spool out cable.

Survey Pack: The Survey Pack allows the Bee to preform simple survey tasks.

Tow Hitch Pack: The Tow Hitch Pack allows the Bee to physically tow objects.

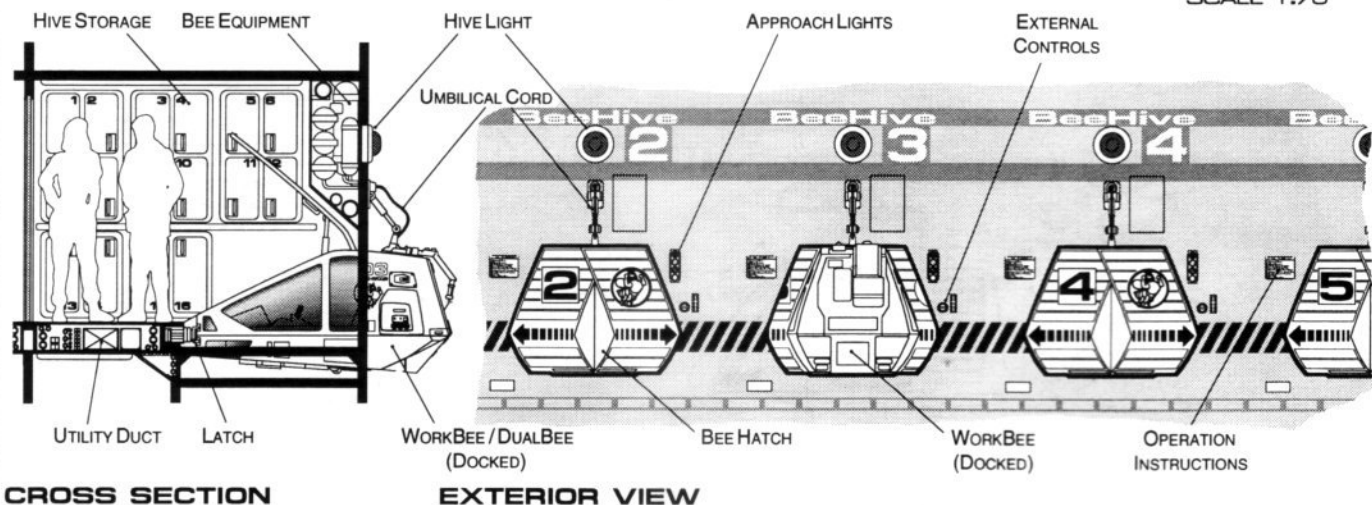
Tractor Pack: The Tractor Pack gives the Bee a tractor beam.

Welder Pack: The Welder Pack gives the Bee an external precision welder.

BeeHive: The BeeHive is an adustable docking port for both DualBees and WorkBees.

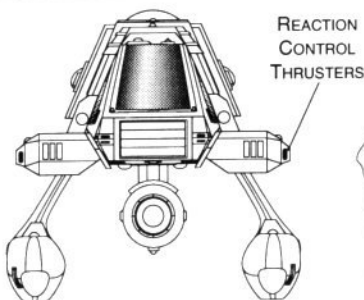
BeeHive [WorkBee/DualBee Docking Port]

METERS
0 0.5 1 1.5 2
SCALE 1:70



GENERAL UTILITY CRAFT

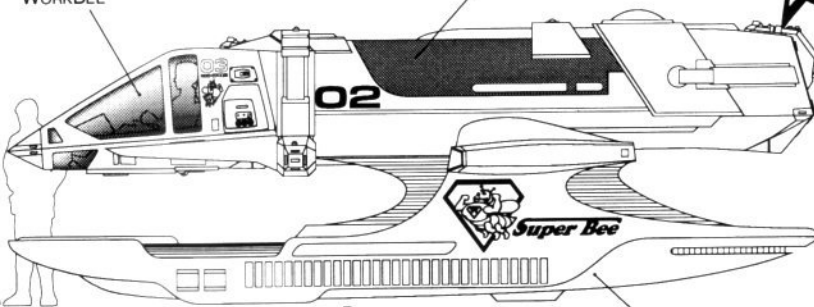
SuperBee



FRONT PROFILE

WORKBEE

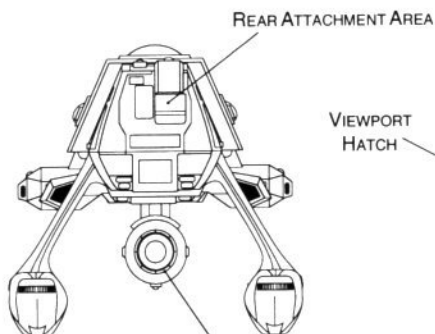
SUPERBEE HULL



PORT PROFILE

REACTION
CONTROL
THRUSTERS

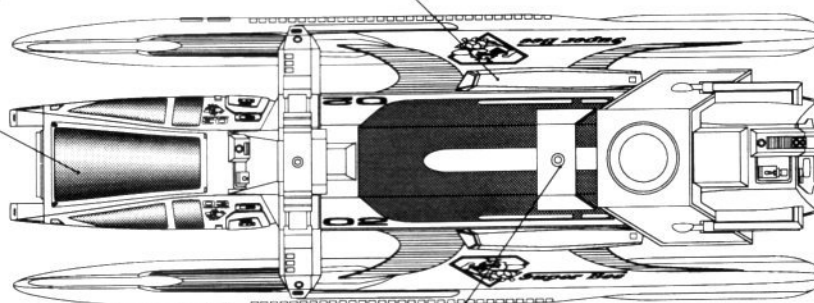
WARP ENGINE NACELLE (2)



REAR PROFILE

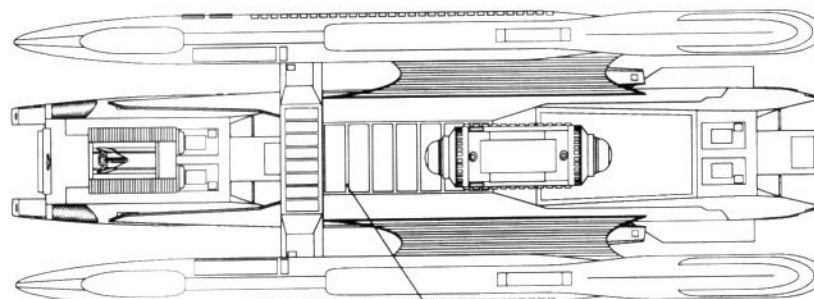
REAR ATTACHMENT AREA

VIEWPORT
HATCH



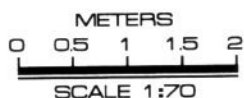
TOP PROFILE

NAVIGATION BEACON



BOTTOM PROFILE

LOWER SENSOR ARRAY



Class Emblem SuperBee



Craft Silhouettes

Total Target Area 33.33 m²



Front Silhouette
Area 3.24 m²



Port Silhouette
Area 13.45 m²



Top Silhouette
Area 16.64 m²

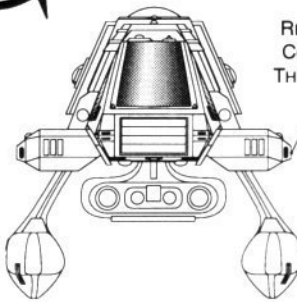


GENERAL UTILITY CRAFT

KillerBee

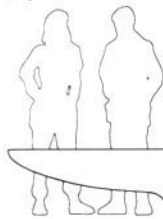
WORKBEE CLASS

FEDERATION CRAFT



FRONT PROFILE

REACTION
CONTROL
THRUSTERS



PORT PROFILE

WORKBEE

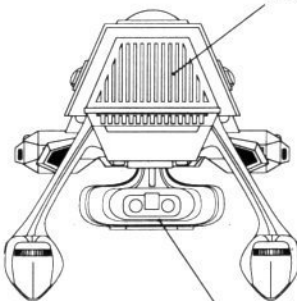
KILLERBEE HULL

01

Killer Bee
NCC-6700/3

WARP ENGINE NACELLE (2)

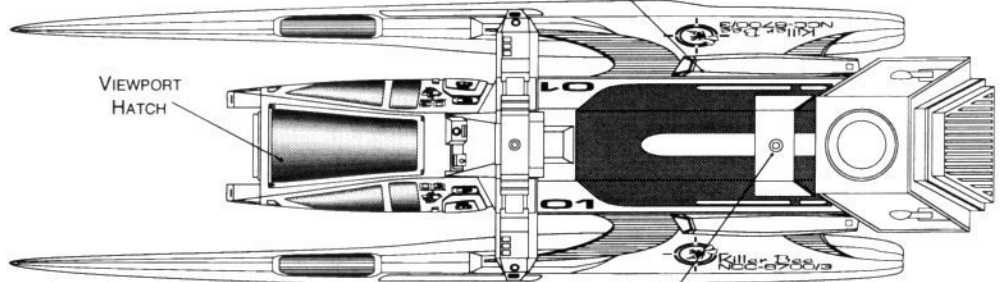
REACTION
CONTROL
THRUSTERS



REAR PROFILE

IMPULSE ENGINE

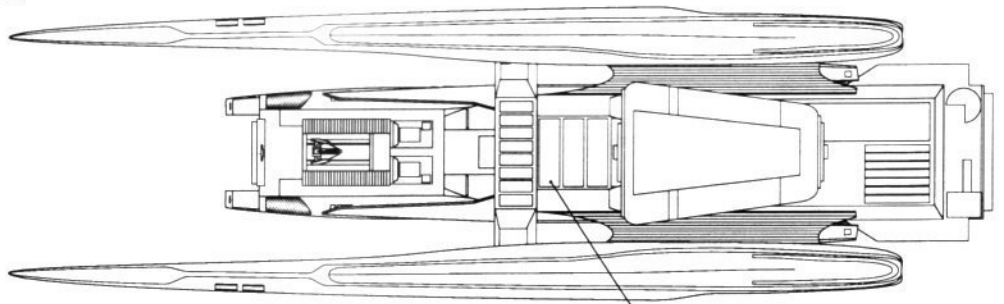
WEAPONS POD



TOP PROFILE

VIEWPORT
HATCH

NAVIGATION BEACON



BOTTOM PROFILE

LOWER SENSOR ARRAY

METERS
0 0.5 1 1.5 2
SCALE 1:70

Class Emblem Killer Bee



Craft Silhouettes

Total Target Area 32.09 m²



Front Silhouette
Area 3.43 m²



Port Silhouette
Area 12.71 m²

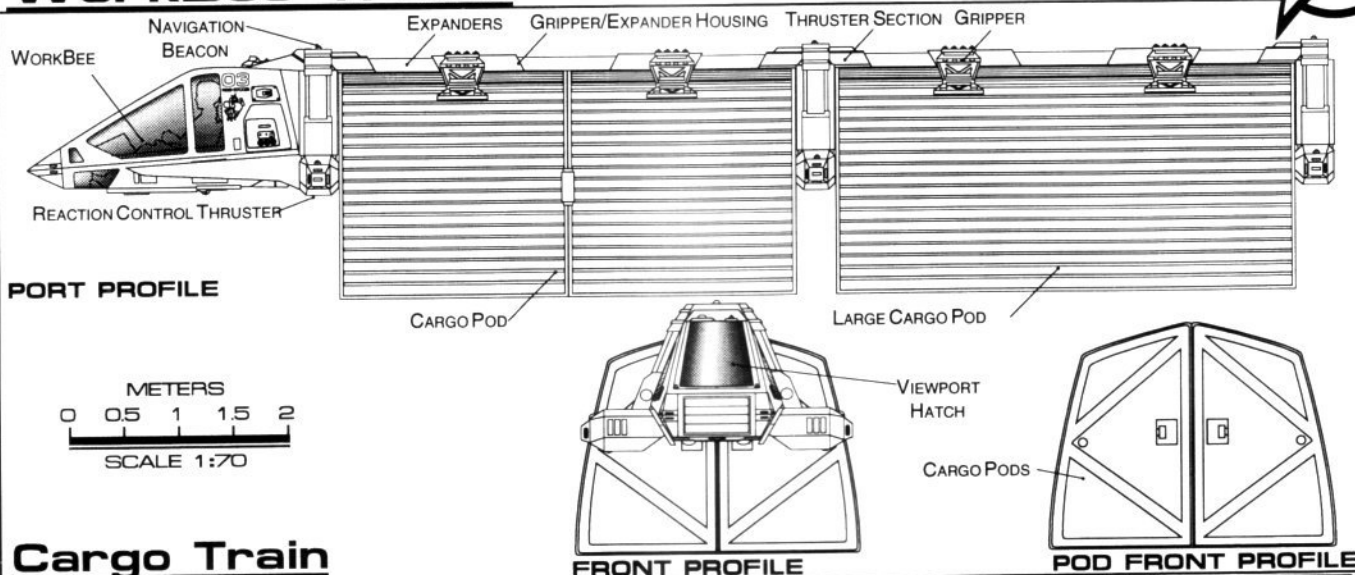


Top Silhouette
Area 15.95 m²

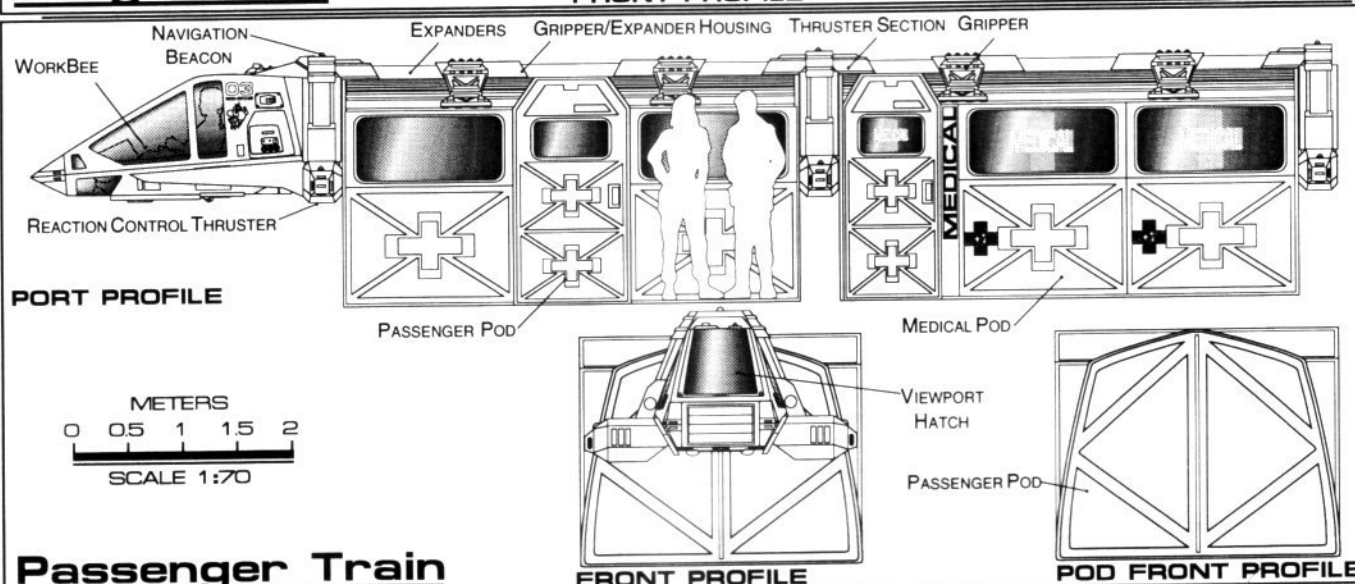
GENERAL UTILITY CRAFT



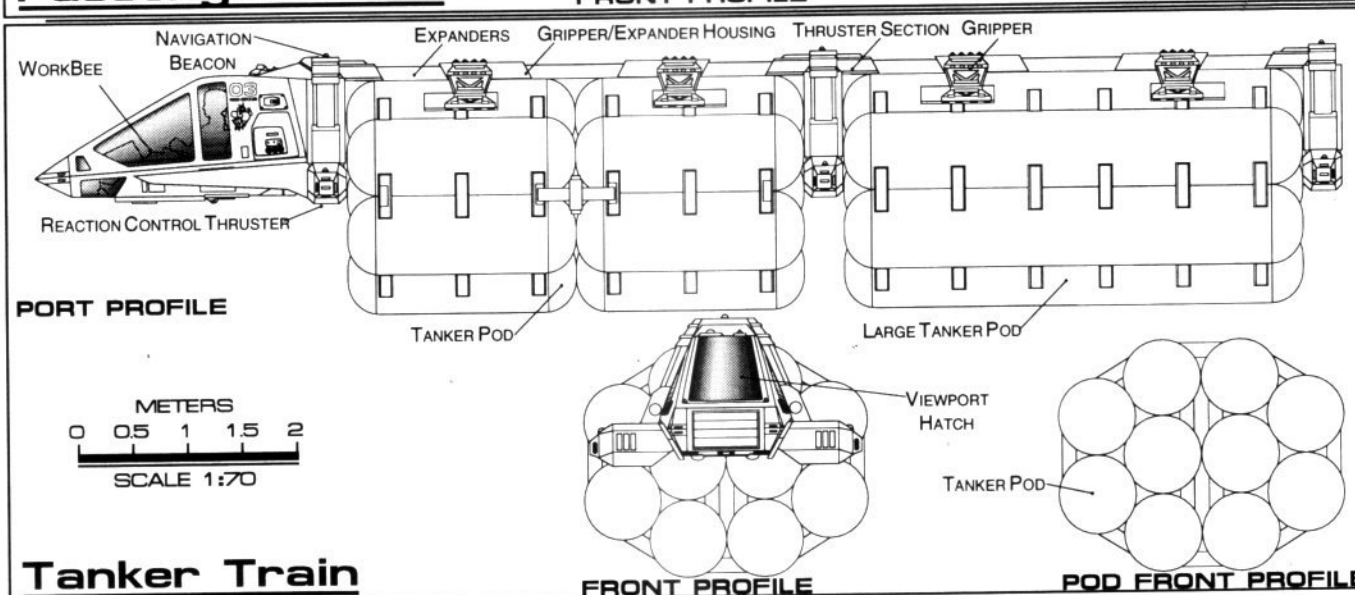
WorkBee Trains



Cargo Train



Passenger Train



Tanker Train

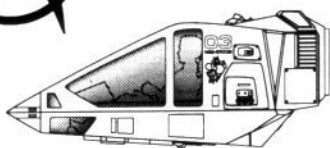


GENERAL UTILITY CRAFT

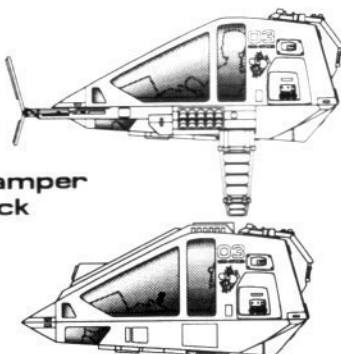
Bee Packs

WORKBEE CLASS

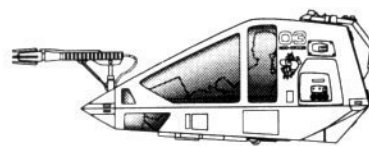
Booster Pack



Clamper Pack



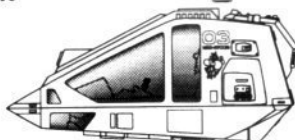
Cutter Pack



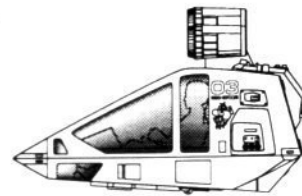
Heavy Booster Pack



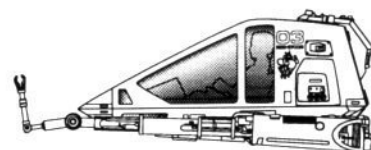
Drone Pack



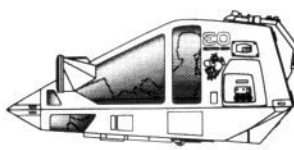
Floodlight Pack



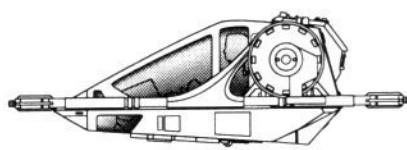
Grabber Pack



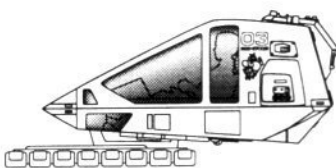
Sensor Pack



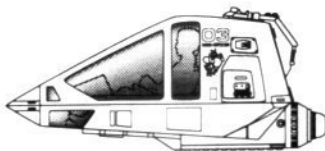
Spinner Pack



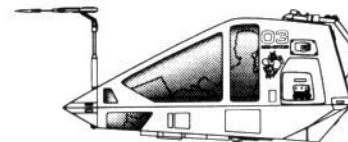
Survey Pack



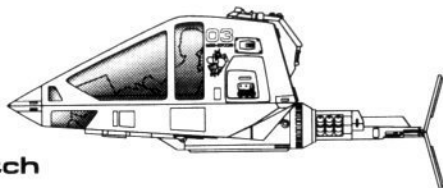
Tractor Pack



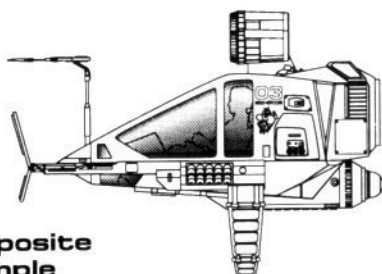
Welder Pack



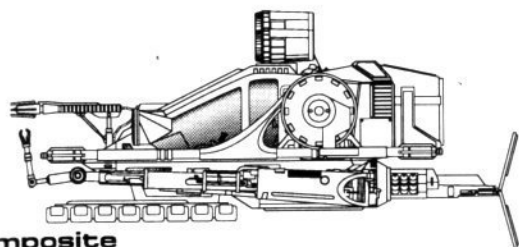
Tow Hitch Pack



Composite Example



Composite Example 2



WorkBee Attachment Compatibility Chart



	Dual Bee	Work Bee	Assault Bee	Cargo Train	Killer Bee	Passenger Train	Super Bee	Tanker Train	Booster Pack	Clamper Pack	Cutter Pack	Drone Pack	Floodlight Pack	Grabber Pack	Heavy Booster Pack	Sensor Pack	Spinner Pack	Survey Pack	Tow Hitch Pack	Tractor Pack	Welder Pack
Dual Bee																					
Work Bee																					
Assault Bee																					
Cargo Train																					
Killer Bee																					
Passenger Train																					
Super Bee																					
Tanker Train																					
Booster Pack																					
Clamper Pack																					
Cutter Pack																					
Drone Pack																					
Floodlight Pack																					
Grabber Pack																					
Heavy Booster Pack																					
Sensor Pack																					
Spinner Pack																					
Survey Pack																					
Tow Hitch Pack																					
Tractor Pack																					
Welder Pack																					

A: Adapter Required T: In Tow R: Repositioned I: Impaired Use

STARFLEET REFERENCE MANUAL

FEDERATION CRAFT

STANDARD SHUTTLECRAFT



General Information

Specific Role: The Standard Shuttlecraft is the most common warp capable shuttle employed by the Federation. The Shuttle is useful for a large array of missions due to its versatility, speed, range and large interior space.

Physical Description: The hull is a long wedge shape and has with three doors for personnel and equipment. Two doors are located on either side and the third serves as a cargo hatch located at the rear. Positioned on either side of the shuttle are (SMDN8/3-4) navigational sensor arrays. The shuttle is equipped with a (BP1/6-1D) phaser mounted in the top cowling. Sublight propulsion is provided by an impulse drive unit located on the lower rear section of the craft. Warp power is provided by two (SW9/1-3AG) micro-nacelles which are mounted on each side of the hull.

For additional detail refer to Datasheet MVT-1

Craft Silhouettes

Total Target Area 61.13 m²

Average Target Area 20.38 m²

Top Silhouette

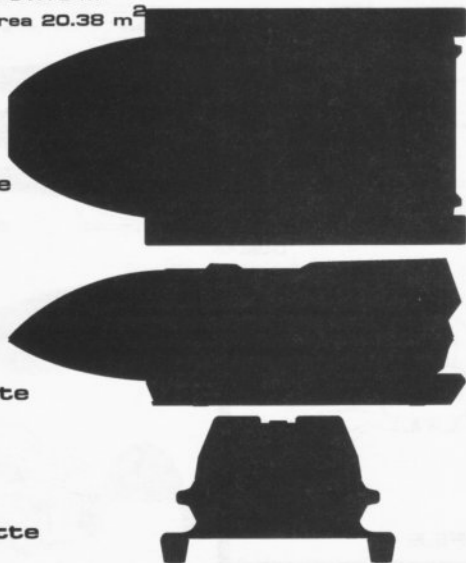
Area 33.85 m²

Port Silhouette

Area 19.35 m²

Front Silhouette

Area 7.83 m²



Statistics

Classification: Standard Shuttlecraft

Category: Shuttlecraft

Class: Galileo

Type: Class 5

Model: MK-III

Naval Construction Contract: 3400

Dimensions:

Overall Dimensions (Meters)

Length: 8.73m

Width: 4.50m

Height: 2.81m

Displacement (Metric Tons)

Light: 18.43mt

Standard: 19.75mt

Full Load: 22.04mt

Performance:

Impulse Units: Dual Unit (IP47E/4-IP)

Impulse Engine Output: 7.8×10^8 W

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.137 sec.

0.25-0.50 Impulse: 0.206 sec.

0.50-0.75 Impulse: 0.275 sec.

0.75-Full Impulse: 0.343 sec.

Warp Units: 2 Nacelle Units (SW08/1-4AX)

Warp Engine Output: 1.2×10^7 W

Optimum Speed: Warp 2

Max. Safe Cruising: Warp 3

Emergency Speed: Warp 4

Max. Speed: Warp 4.2

Destructive Speed: Warp 4.5

Acceleration Power: 3.0

Acceleration Times:

Warp 1 - Warp 2: 2.450 sec.

Warp 2 - Warp 3: 2.987 sec.

Warp 3 - Warp 4: 5.684 sec

Warp 4 - Warp 5: N/A

Warp 5 - Warp 6: N/A

Warp 6 - Warp 7: N/A

Warp 7 - Warp 8: N/A

Warp 8 - Warp 9: N/A

Warp 9 - Warp 9.5: N/A

Warp 9.5 - Warp 9.75: N/A

Warp 9.75 - Warp 9.9: N/A

Duration (Years)

Standard: 5 Years

Maximum: 20 Years

Std. Ships Complement: 1

Crew: 1

Passengers: 9

Emergency condition: +6

Transporters Total: 1

1 Person: 0

2 Person: 1

6 Person: 0

Small Cargo: 0

Medium Cargo: 0

Tractor Beams: 1

Tow Capacity: 5.10×10^2 mt

Max Range: 7.10×10^1 km

Cargo Specification:

Standard Cargo Units: N/A

Cargo Capacity: N/A

Shuttlecraft Specifications:

Docking Ports: 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.254

Stellar Survey: 0.942

Short Range: 1.111

Long Range: 1.025

Navigation: 0.987

Special: 1.123

Computers: 2

Type: Norray-Magne 17:t

Type: Norray-Magne 13:x

Shield Rating:

Holdoff Power: 4.72×10^8 W

Refresh Rate: 1.34×10^8 W

Breakdown Rate: 1.61×10^8 W

Shield Dimensions (Meters)

Length: 10.50m

Width: 3.04m

Height: 2.20m

Weapons:

Weapon Placement:

Beam (Phasers) Total: 1 Mounts

Output: 5.0×10^8 W / 2.5×10^9 W

Range: 2.5×10^3 km

Rate of Fire: 20 ppm / Cont.

Forward Banks: 1

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (HeavyPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Missiles (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

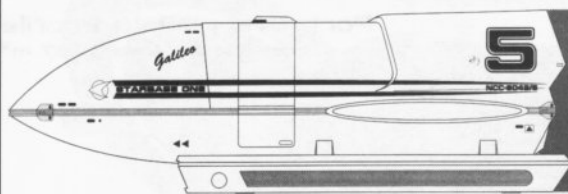
Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

Class Emblem



Galileo Class • Shuttlecraft

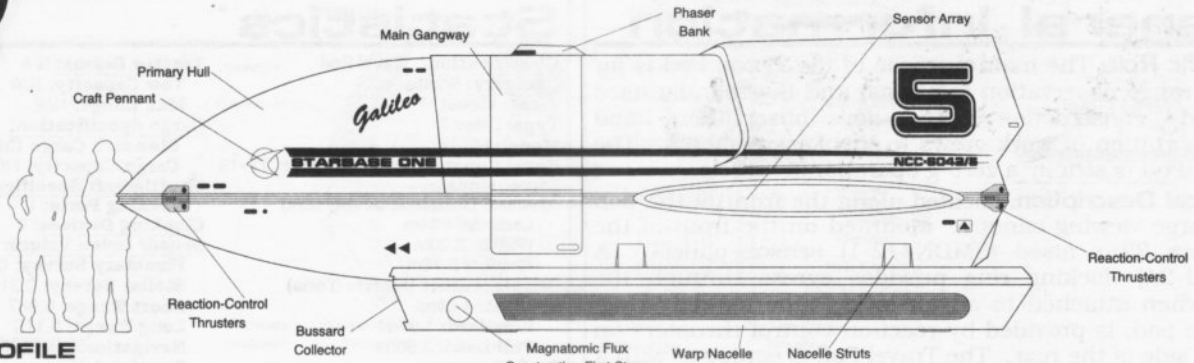


STANDARD SHUTTLECRAFT

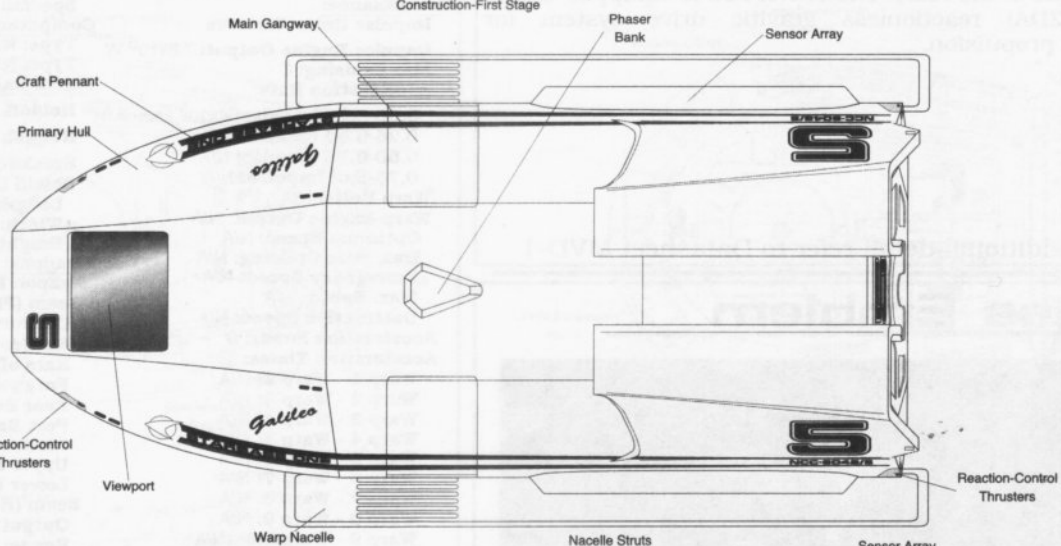
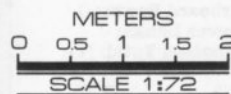
GALILEO CLASS

FEDERATION CRAFT

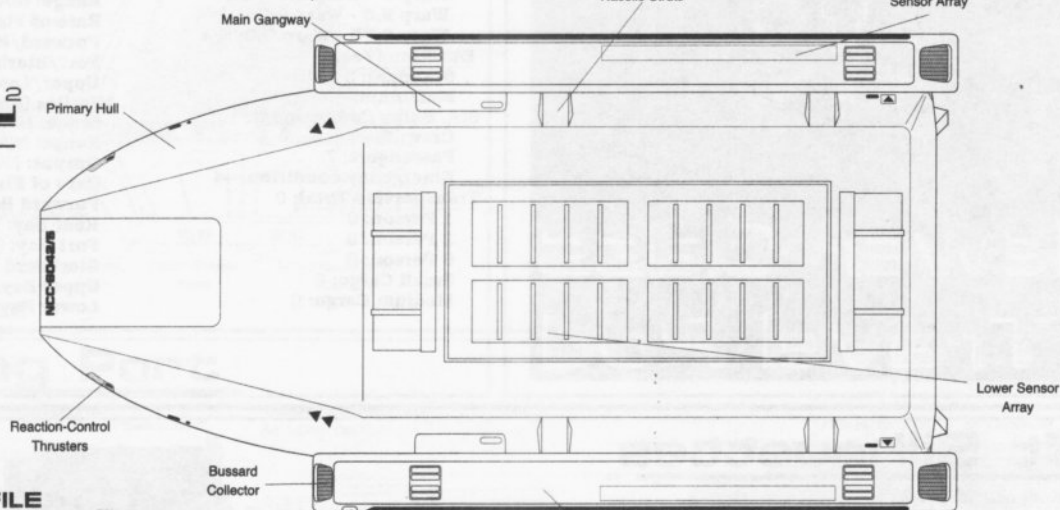
PORT PROFILE



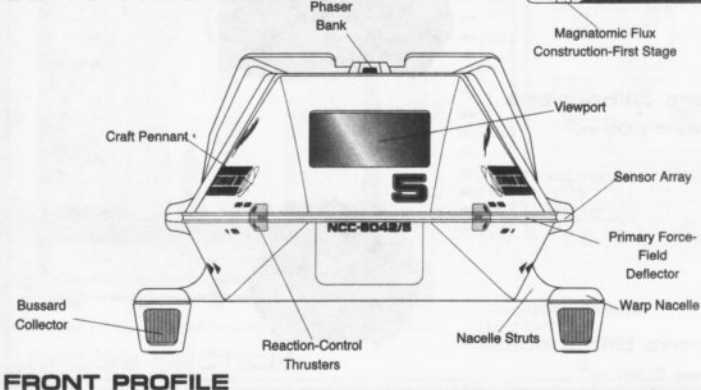
TOP PROFILE



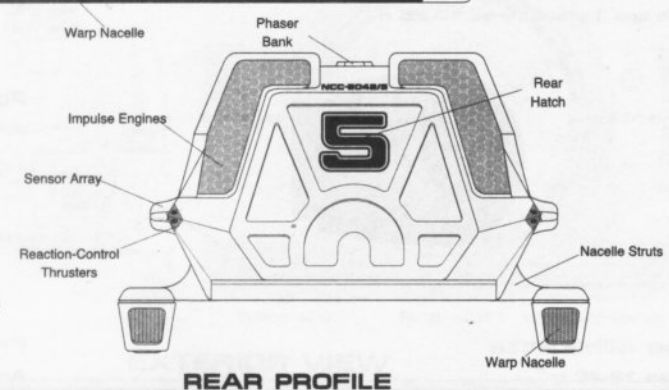
BOTTOM PROFILE



FRONT PROFILE



REAR PROFILE

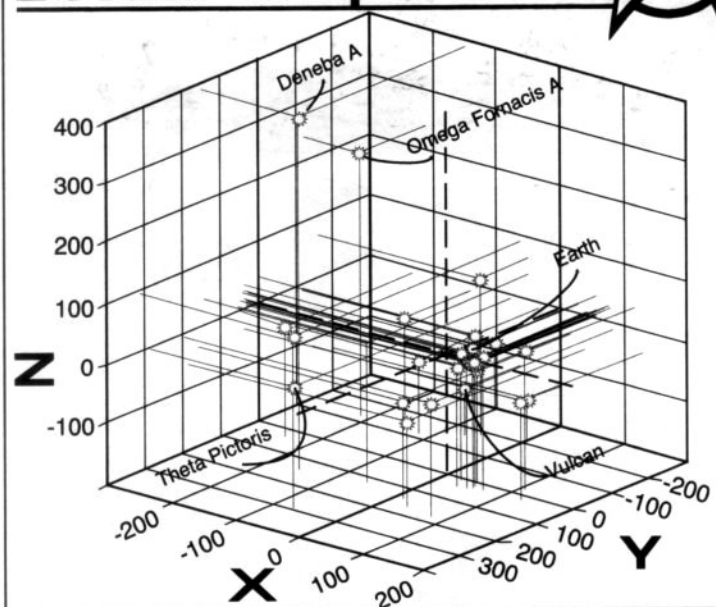


DRYDOCKS

General Information

The Dry Dock facilities are designed for the construction and repair of starships. Drydocks are equipped with ultra-accurate sensors to provide the construction facility with a reference grid for precision positioning of components. Large work lights provide ample illumination throughout the work area. Some facilities are equipped with offices, living space, shops and hangars. Other facilities are flexible and can be expanded to accommodate a wide variety of repair and construction jobs. Most facilities must be towed to their destination or work area, while others are designed to propel themselves to wherever their services are required.

Stellar Map



Major Dry Docks**

Yard Name	Planet	System	Stellar Coordinates	Dry Dock Type					Production		Construction		Class
				I	II	III*	IV	Total	Civilian	Military	Repair	New	
Antares Ship Yards	Antare III	Antare	(152.7, 23.5, -43.3)	0	3	0	0	3	55%	45%	62%	38%	D
Barrington Industries	Sauria	UFC 512	(-166.3, -43.3, 62.1)	1	1	1	0	3	24%	76%	78%	22%	D
Bekkaas Military Installation	Izar	Epsilon Bootis	(36.7, 84.7, 17.6)	3	4	5	1	13	12%	88%	30%	70%	B
Boeing-Matsushita	Zeta Tucanae III	Zeta Tucanae	(43.9, 45.8, -2.3)	2	1	0	0	3	70%	30%	36%	64%	D
Boston Construction Complex	Earth	Sol	(23.9, 61.8, 0.0)	5	2	1	1	9	40%	60%	40%	60%	C
Cameron Naval Center	Deneb V	Deneb A	(142.7, -143.4, 382.5)	3	2	5	0	10	21%	79%	5%	95%	B
Cochrane Industries	Alpha Centari VII	Alpha Centari	(24.6, 62.5, -1.0)	7	5	2	3	17	15%	85%	65%	35%	A
Dared Shipyards	Argelius II	Argelius B	(-154.7, -59.2, -121.2)	0	1	0	4	5	100%	0%	34%	66%	C
Duotechnica Industries	Luna	Sol	(23.9, 61.8, 0.0)	3	0	2	0	5	62%	38%	21%	79%	C
Entropy Space Facilities	Aurelia	XI Herculis	(176.7, 44.5, -63.3)	0	1	2	0	3	54%	46%	21%	79%	D
Fasis Assembly Installation	Eta Serpentis	Serpentis	(40.8, 61.6, 7.2)	2	2	0	0	4	44%	56%	65%	35%	D
Geomry Assembly Area	Medusa	XI Hydrae	(27.2, 137.6, -41.3)	0	3	1	0	4	90%	10%	35%	65%	D
Harisburg Ship Works	Coridan III	Coridan	(29.7, 64.3, 29.9)	2	3	0	0	5	100%	0%	38%	62%	C
Harrell Hullworks	Caatulla	Theta Pictoris	(277.6, -73.7, -13.9)	0	2	1	0	3	45%	55%	22%	78%	D
Karinton Space Facility	Janus VI	Janus	(-128.8, -30.1, -15.8)	2	2	0	0	4	21%	79%	55%	45%	D
Lancing Assembly Dock	Kaferia	Tau Ceti	(22.8, 58.7, -1.5)	3	1	0	0	4	21%	79%	22%	78%	D
Masrhal Fields	Andor	Epsilon IDI	(25.8, 60.1, -2.4)	2	2	1	0	5	65%	35%	34%	66%	C
Merimar Ship Works	Rigel IV	Rigel	(-209.9, 7.7, -136.0)	4	0	7	3	14	25%	75%	22%	78%	B
Merria Spacecity	Benzar	Gamma Xertia	(301.4, -57.4, 84.4)	4	3	1	2	10	88%	12%	62%	38%	B
Miami Naval Yards	Earth	Sol	(23.9, 61.8, 0.0)	4	1	0	1	6	60%	40%	60%	40%	C
New Aberdeen Yards	Alderbaran III	Alpha Tauri	(10.6, 56.5, -15.1)	2	2	0	1	5	30%	70%	20%	80%	C
Orbital Assembly Station	Starbase 16	Messier 12	(30.5, 82.5, 22.6)	3	1	2	1	7	54%	46%	11%	89%	C
Parinton Assembly Station	Delta	Delta Tricatu	(187.3, 89.9, -17.3)	0	3	0	0	3	65%	35%	90%	10%	D
Quarian Assembly Yards	Argo	UFC 78856	(133.4, -45.5, 32.9)	4	0	0	0	4	54%	46%	34%	66%	D
Roseanna Assembly Yards	Cait	15 Lyncis	(41.9, -228.3, -12.6)	0	1	2	3	6	18%	82%	50%	50%	C
Rowington Yards	Makus III	Makus	(-8.6, 124.6, 32.5)	2	2	1	0	5	80%	20%	40%	60%	C
San Francisco Yards	Earth	Sol	(23.9, 61.8, 0.0)	7	3	1	5	16	3%	97%	10%	90%	A
Shane Yards	Actar	Cygnus D	(15.7, 35.7, 10.6)	2	0	1	0	3	78%	22%	65%	35%	D
Starbase 12	Gamma 400 III	Gamma 400	(22.5, 48.5, -0.55)	1	2	1	0	4	56%	44%	33%	67%	D
Starfleet Division	Deneb II	Deneb A	(142.7, -143.4, 382.5)	2	4	3	1	10	21%	79%	27%	73%	B
Station Rotterdam	Bentocha	Barnard 17	(18.7, 75.7, 12.6)	0	0	3	0	3	54%	46%	66%	34%	D
Tiburon Construction Yards	Tiburon	Omega Fornacis A	(-121.9, -207.4, 236.4)	0	1	2	0	3	68%	32%	32%	68%	D
Tindaris Star Vessels LTD	Vulcan	40 Eridania	(19.5, 60.0, -0.60)	4	1	2	0	7	78%	22%	15%	85%	C
Urbuaris Construction Site	Darvan V	Darvan	(-127.5, -139.2, -19.7)	3	1	0	0	4	90%	10%	44%	56%	D
Utopia Planitia Starfleet Yards	Mars	Sol	(23.9, 61.8, 0.0)	7	2	5	5	19	2%	98%	4%	96%	A
Varius Spacedock	Betazed	Beta Veldonna	(-292.3, -93.3, -88.1)	2	2	1	0	5	97%	3%	54%	46%	C
Vega Shipyards	Vega	Alpha Lyrae	(28.2, 61.3, 6.9)	2	5	0	0	7	45%	55%	26%	74%	C
Vulcanis Space Facilities, Inc.	Vulcan	40 Eridania	(19.5, 60.0, -0.60)	5	5	2	3	15	90%	10%	30%	70%	A
Waters Installation	Beta VI	Beta	(-109.1, -106.3, -74.2)	1	5	1	0	7	65%	35%	12%	88%	C
Xarets Works	Tellar	61 Cygni	(25.0, 60.1, 2.6)	1	2	0	0	3	27%	73%	40%	60%	D
Dry Dock Totals				95	81	56	34	266					

Dry Dock Type : Lists the number and types of drydocks at each Yard.

Production: Lists the percent of military and civilian craft that are produced at each Yard.

Construction: Lists the percent of new construction and repair at each Yard.

Class: Designates the construction level of the dry dock. The best facilities are the Class A which are normally used for the construction of Class I Starships.

* Type III Dry Docks are normally located at these installations when not needed on location.

** Additional construction companies (Class E) exist and lease dry docks from the facilities listed here.

DRY DOCK TYPE II



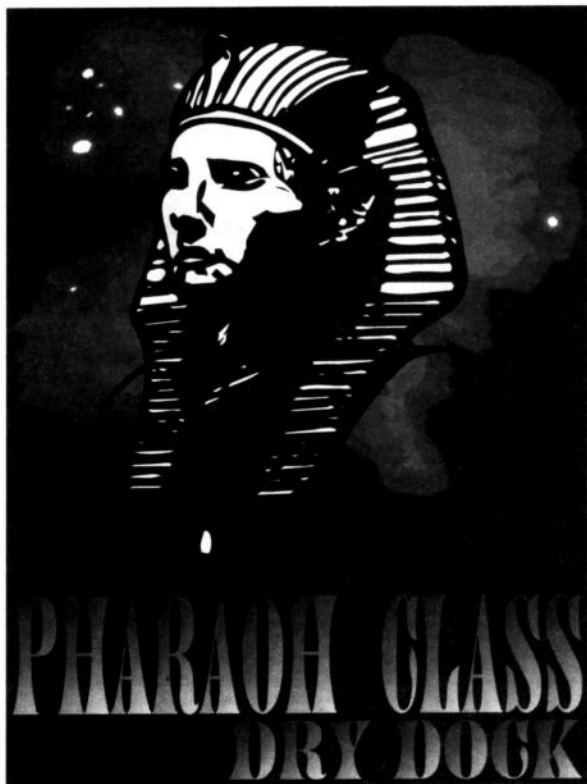
General Information

Specific Role: This versatile drydock is designed to adjust its shape to closely match the configuration of the subject vessel. Additional sections may be added so that the frame can surround larger vessels. The extreme flexibility of the structure causes it to have less integral strength than some facilities which makes it unsuitable for more hazardous locations.

Physical Description: The facility is made up of eight (DD/F7-2A) rigid sections. These sections are connected to each other with flexible couplings. The work area is equipped with 42 (LF/5-B) high power light banks which are supported by duralloy cables throughout the superstructure. Attached to each light bank is an (SP/230-Z) positioning sensor for determining the exact location and positioning of the components for construction. Located at each joint is an (DI/200:TS) inertial dampener to help control the movement of the ship and components in the construction area.

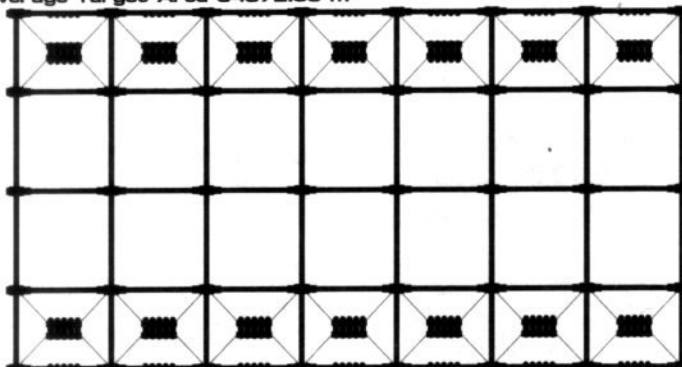
For additional detail refer to Datasheet MVDD-2

Class Emblem

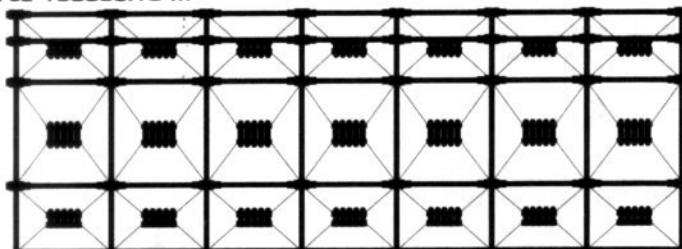


Facility Silhouettes

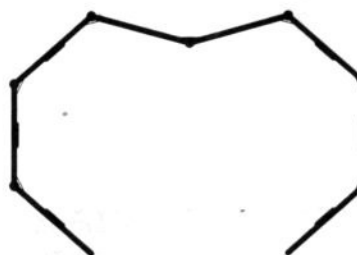
Total Target Area 194616.28 m²
Average Target Area 64872.09 m²



Top Silhouette
Area 108659.13 m²



Port Silhouette
Area 84615.46 m²

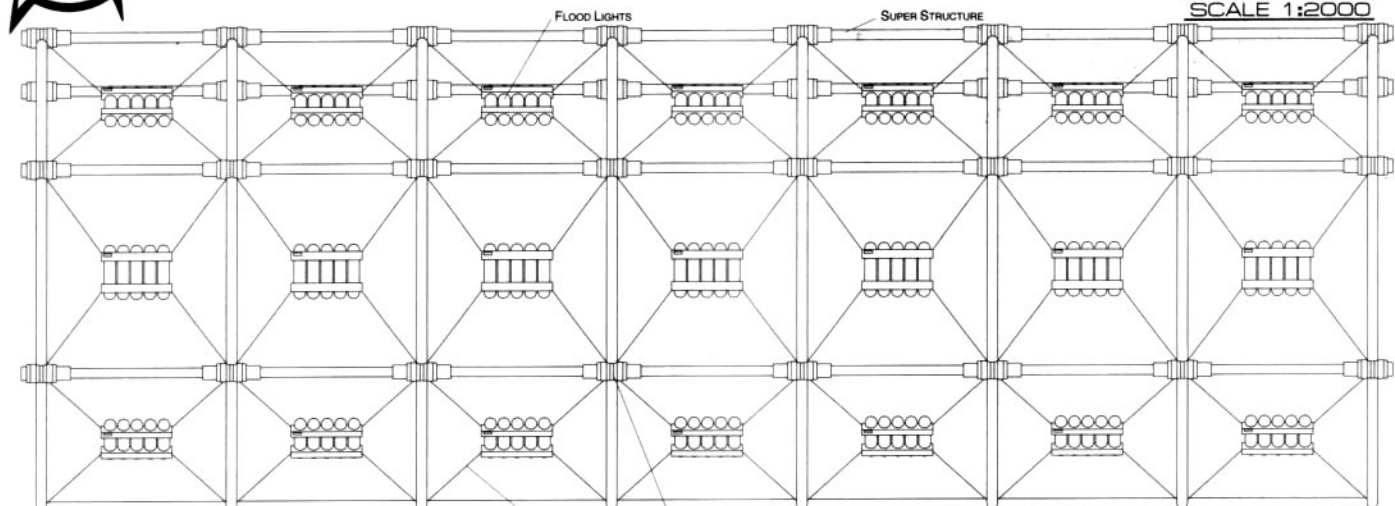


Front Silhouette
Area 1341.69 m²

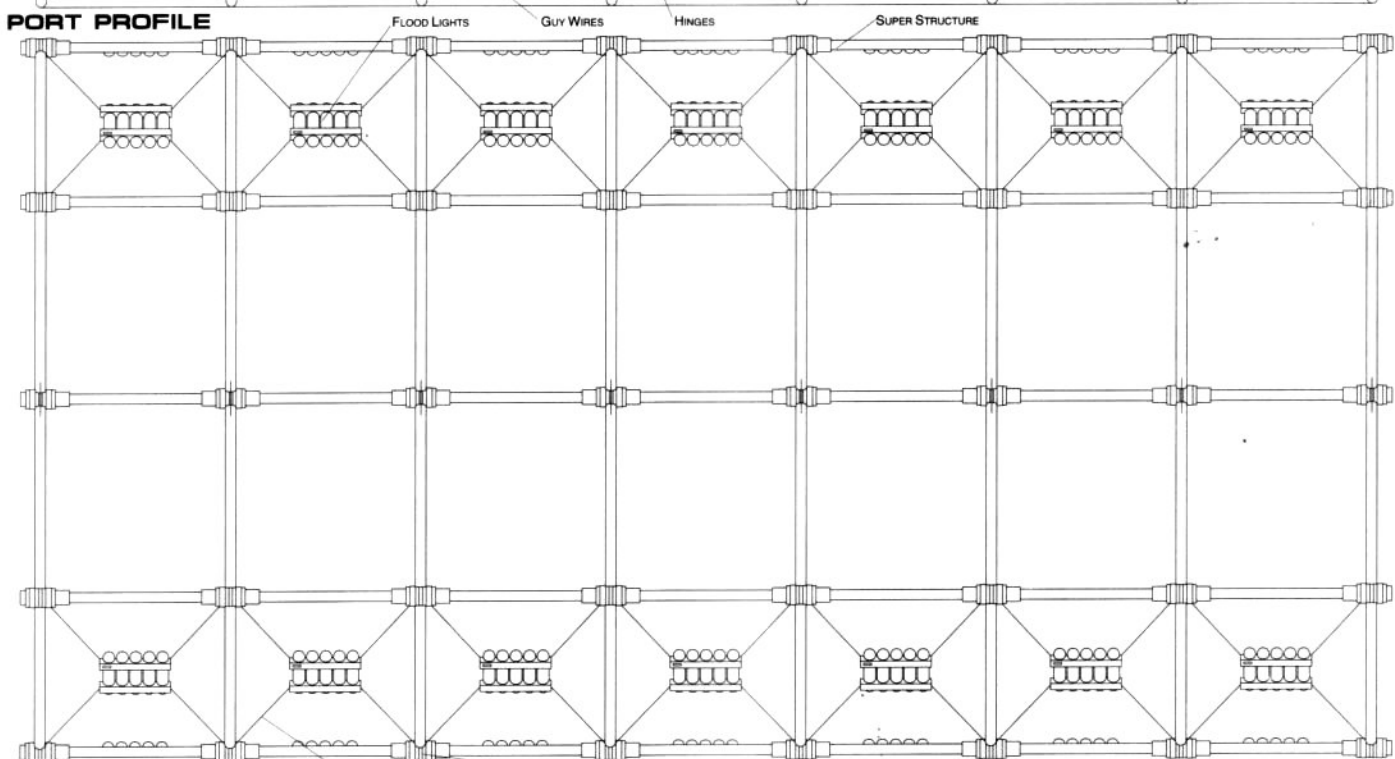


DRY DOCK TYPE II

METERS
0 10 20 30 40 50
SCALE 1:2000



PORT PROFILE



TOP PROFILE

Statistics

Classification: Dry Dock

Category: Type 2

Class: Pharaoh

Type: Class 4

Model: Type II

Naval Construction Contract: 200

Number Proposed: 94

Number Constructed: 83

Number in Service: 81

Number Lost: 2

Dimensions:

Overall Dimensions (Meters)

Length: 362.52m

Width: 183.11m

Height: 127.01m

Displacement (Metric Tons)

Light: 90,421mt

Standard: 95,552mt

Full Load: 101,283mt

Duration (Years)

Standard: 20 Years

Maximum: 40 Years

Std. Facility Complement: 0

Officers: 0

Crew (Ensign Grade): 0

Emergency condition: 0

Medical Facilities:

Doctors: 0

Medical Staff: 0

Operating Rooms: 0

Beds: 0

Transporters Total: 0

1 Person: 0

2 Person: 0

6 Person: 0

12 Person: 0

22 Person: 0

Small Cargo: 0

Medium Cargo: 0

Large Cargo: 0

Super Cargo: 0

Replicators: 0

Major Tractor Beams: 0

Tow Capacity: N/A

Max Range: N/A

Minor Tractor Beams: 0

Tow Capacity: N/A

Max Range: N/A

Cargo Specification:

Standard Cargo Units: 0

Cargo Capacity: 0

Shuttlecraft Specifications:

Shuttlecraft Bays Total: 0

Small Bay: 0

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 0

Work Bees: 0

Tug Shuttle: 0

Work Shuttle: 0

Travel Pods: 0

Light Shuttle: 0

Standard Shuttle: 0

Heavy Shuttle: 0

Cargo Shuttle: 0

Lifeboats: 0

Turbolift (8 person): 0

Lifeboat (10 person): 0

Lifeboat (20 person): 0

Lifeboat (30 person): 0

Sensor Index Values:

Alignment Sensor: 1.101

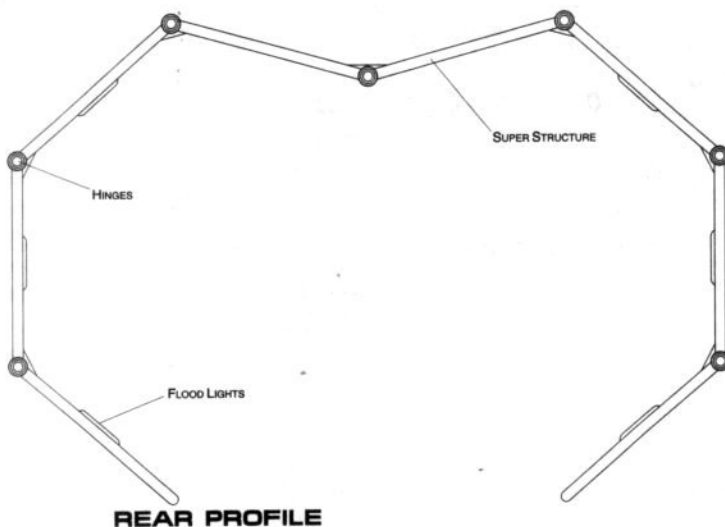
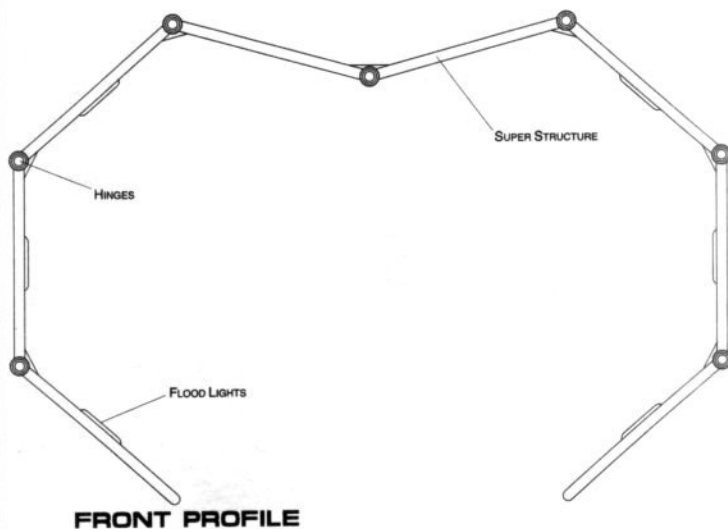
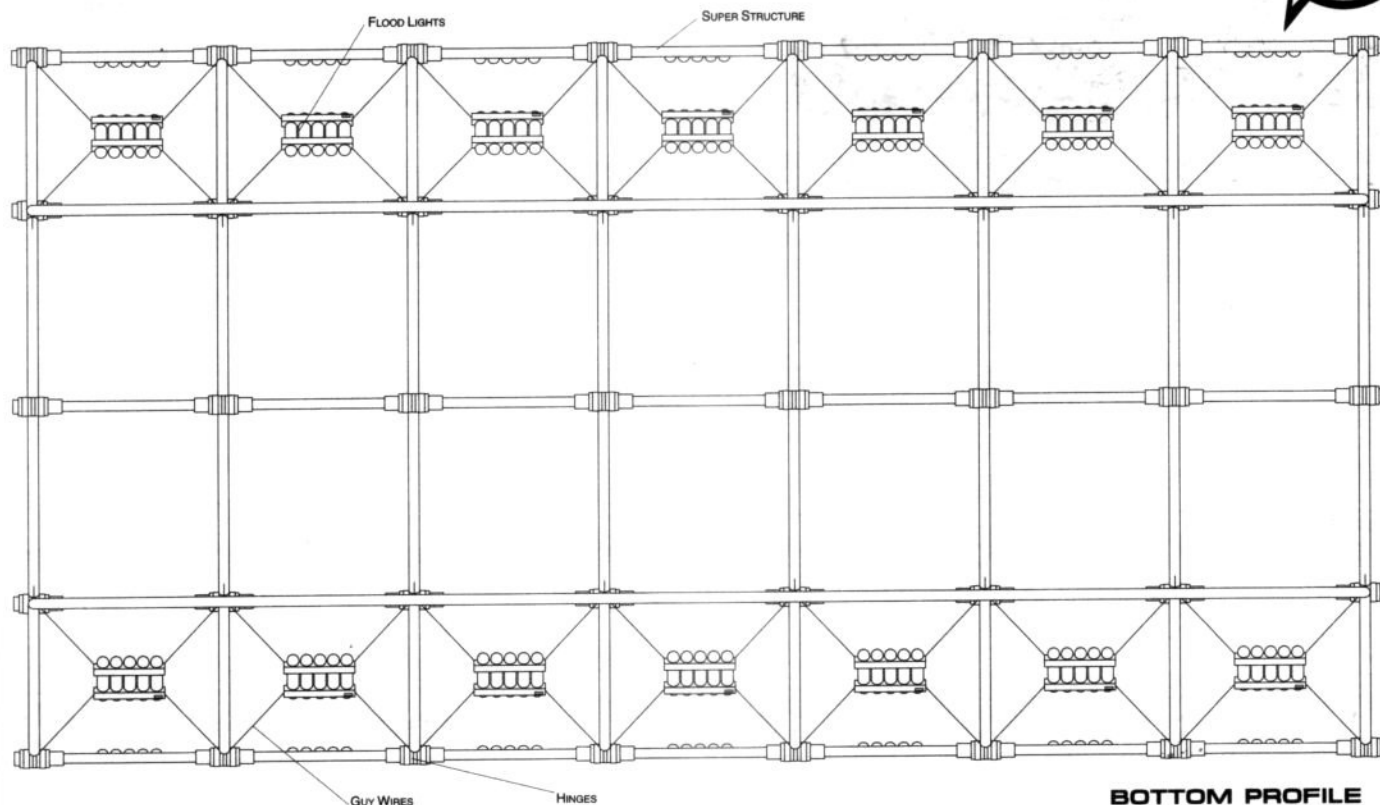
Computers: 0

Type: N/A

PHARAOH CLASS

FEDERATION FACILITY

DRY DOCK TYPE II



METERS
0 10 20 30 40 50
SCALE 1:2000

DRY DOCK TYPE II

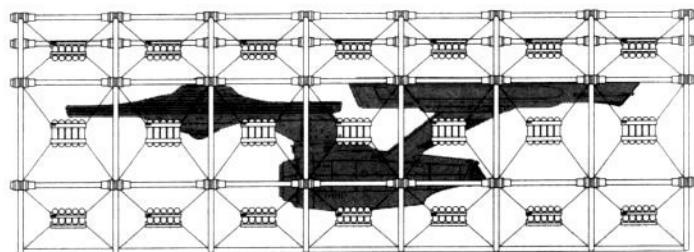


Facility Names

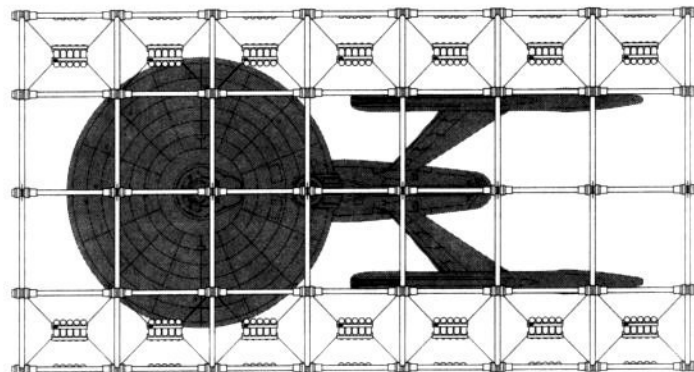
THE FOLLOWING SHIPS OF THE TYPE II CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2268.4

PHARAOH • SFDD-200*	PHARAOH-25 • SFDD-225	PHARAOH-50 • SFDD-250	PHARAOH-75 • SFDD-275
PHARAOH-1 • SFDD-201	PHARAOH-26 • SFDD-226	PHARAOH-51 • SFDD-251	PHARAOH-76 • SFDD-276
PHARAOH-2 • SFDD-202	PHARAOH-27 • SFDD-227	PHARAOH-52 • SFDD-252	PHARAOH-77 • SFDD-277
PHARAOH-3 • SFDD-203	PHARAOH-28 • SFDD-228	PHARAOH-53 • SFDD-253	PHARAOH-78 • SFDD-278
PHARAOH-4 • SFDD-204	PHARAOH-29 • SFDD-229	PHARAOH-54 • SFDD-254	PHARAOH-79 • SFDD-279
PHARAOH-5 • SFDD-205	PHARAOH-30 • SFDD-230	PHARAOH-55 • SFDD-255	PHARAOH-80 • SFDD-280
PHARAOH-6 • SFDD-206	PHARAOH-31 • SFDD-231	PHARAOH-56 • SFDD-256	PHARAOH-81 • SFDD-281
PHARAOH-7 • SFDD-207	PHARAOH-32 • SFDD-232**	PHARAOH-57 • SFDD-257	PHARAOH-82 • SFDD-282
PHARAOH-8 • SFDD-208	PHARAOH-33 • SFDD-233	PHARAOH-58 • SFDD-258	PHARAOH-83 • SFDD-283***
PHARAOH-9 • SFDD-209	PHARAOH-34 • SFDD-234	PHARAOH-59 • SFDD-259	PHARAOH-84 • SFDD-284***
PHARAOH-10 • SFDD-210	PHARAOH-35 • SFDD-235	PHARAOH-60 • SFDD-260	PHARAOH-85 • SFDD-285***
PHARAOH-11 • SFDD-211	PHARAOH-36 • SFDD-236	PHARAOH-61 • SFDD-261	PHARAOH-86 • SFDD-286***
PHARAOH-12 • SFDD-212	PHARAOH-37 • SFDD-237	PHARAOH-62 • SFDD-262	PHARAOH-87 • SFDD-287***
PHARAOH-13 • SFDD-213	PHARAOH-38 • SFDD-238	PHARAOH-63 • SFDD-263	PHARAOH-88 • SFDD-288***
PHARAOH-14 • SFDD-214	PHARAOH-39 • SFDD-239	PHARAOH-64 • SFDD-264	PHARAOH-89 • SFDD-289***
PHARAOH-15 • SFDD-215**	PHARAOH-40 • SFDD-240	PHARAOH-65 • SFDD-265	PHARAOH-90 • SFDD-290***
PHARAOH-16 • SFDD-216	PHARAOH-41 • SFDD-241	PHARAOH-66 • SFDD-266	PHARAOH-91 • SFDD-291***
PHARAOH-17 • SFDD-217	PHARAOH-42 • SFDD-242	PHARAOH-67 • SFDD-267	PHARAOH-92 • SFDD-292***
PHARAOH-18 • SFDD-218	PHARAOH-43 • SFDD-243	PHARAOH-68 • SFDD-268	PHARAOH-93 • SFDD-293***
PHARAOH-19 • SFDD-219	PHARAOH-44 • SFDD-244	PHARAOH-69 • SFDD-269	
PHARAOH-20 • SFDD-220	PHARAOH-45 • SFDD-245	PHARAOH-70 • SFDD-270	
PHARAOH-21 • SFDD-221	PHARAOH-46 • SFDD-246	PHARAOH-71 • SFDD-271	
PHARAOH-22 • SFDD-222	PHARAOH-47 • SFDD-247	PHARAOH-72 • SFDD-272	
PHARAOH-23 • SFDD-223	PHARAOH-48 • SFDD-248	PHARAOH-73 • SFDD-273	
PHARAOH-24 • SFDD-224	PHARAOH-49 • SFDD-249	PHARAOH-74 • SFDD-274	

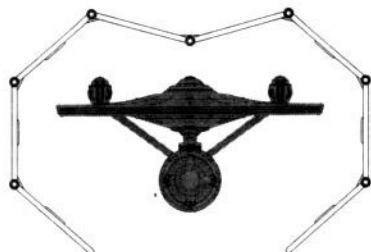
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED.



**SIDE PROFILE
WITH HEAVY CRUISER**



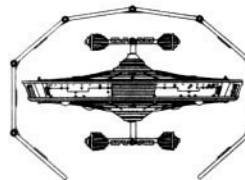
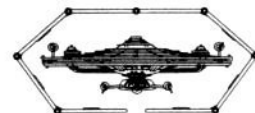
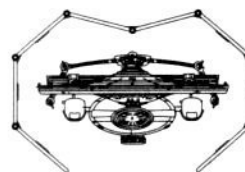
**TOP PROFILE
WITH HEAVY CRUISER**



**FRONT PROFILE
WITH HEAVY CRUISER**

DRY DOCK PROFILES WITH HEAVY CRUISER

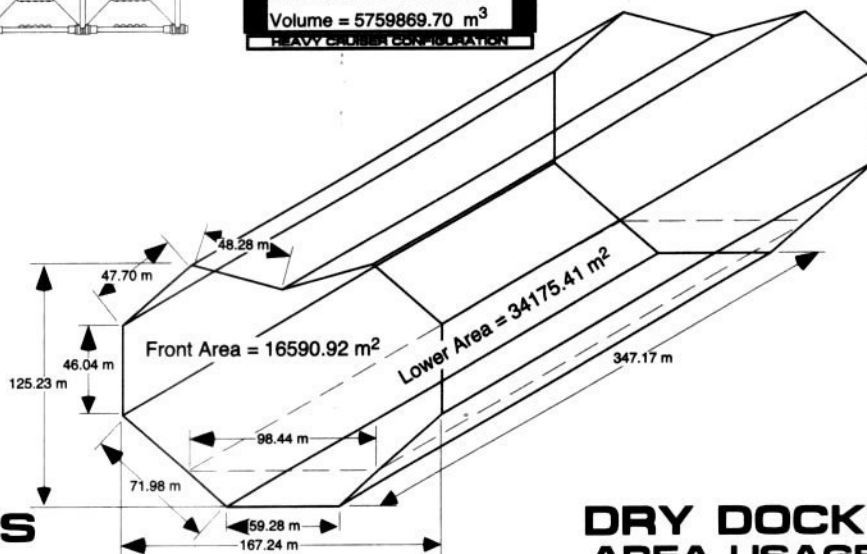
Additional Shapes



WORK AREA DIMENSIONS

Max. Length = 347.17 M
Max. Width = 167.24 m
Max. Height = 125.23 m
Front Area = 16590.92 m²
Lower Area = 34175.41 m²
Volume = 5759869.70 m³

HEAVY CRUISER CONFIGURATION



*HEAVY CRUISER CONFIGURATION

DRY DOCK* AREA USAGE

DRY DOCK TYPE IV

General Information



Specific Role: The Dry Dock Type IV is the replacement for the aging Type I. The Type IV is an extremely modular facility designed to be expanded to include repair and construction jobs as large as space stations.

Physical Description: The facility is made up of 14 (DD/M2-2S) modular side sections, 28 (DD/M2-3C) curved sections and 14 (DH/60-82C) hangar/storage sections. Each modular section is equipped with a (LF/2-C) dual, high power light bank for a total of 56 units. These light banks are supported by bars and duralloy cables. Additional lighting is provided by (MLF/43-A) adjustable floodlights that can be positioned as needed. Along the underside of the hangar/storage facility are the 120 (DI/148:AD) inertial dampeners to help control movement of the ship and parts in the construction area. Located on each light bank is a (SP/230-Z) positioning sensors for determining the exact location and positioning of the parts used for construction.

For additional detail refer to Datasheet MVDD-4

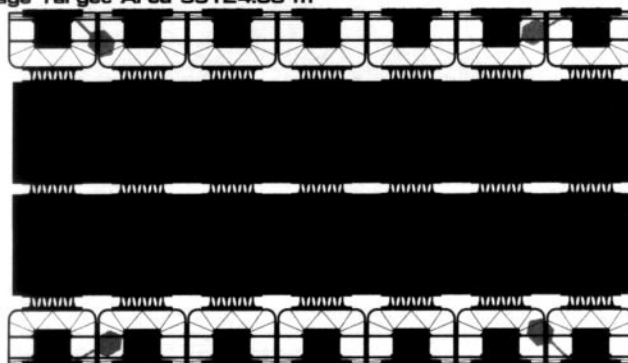
Class Emblem



Facility Silhouettes

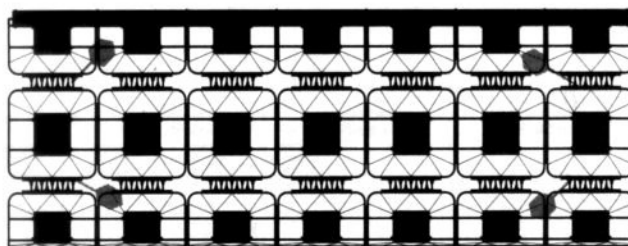
Total Target Area 177374.03 m²

Average Target Area 59124.68 m²



Top Silhouette

Area 94324.24 m²



Port Silhouette

Area 81147.66 m²

Front Silhouette

Area 1602.13 m²

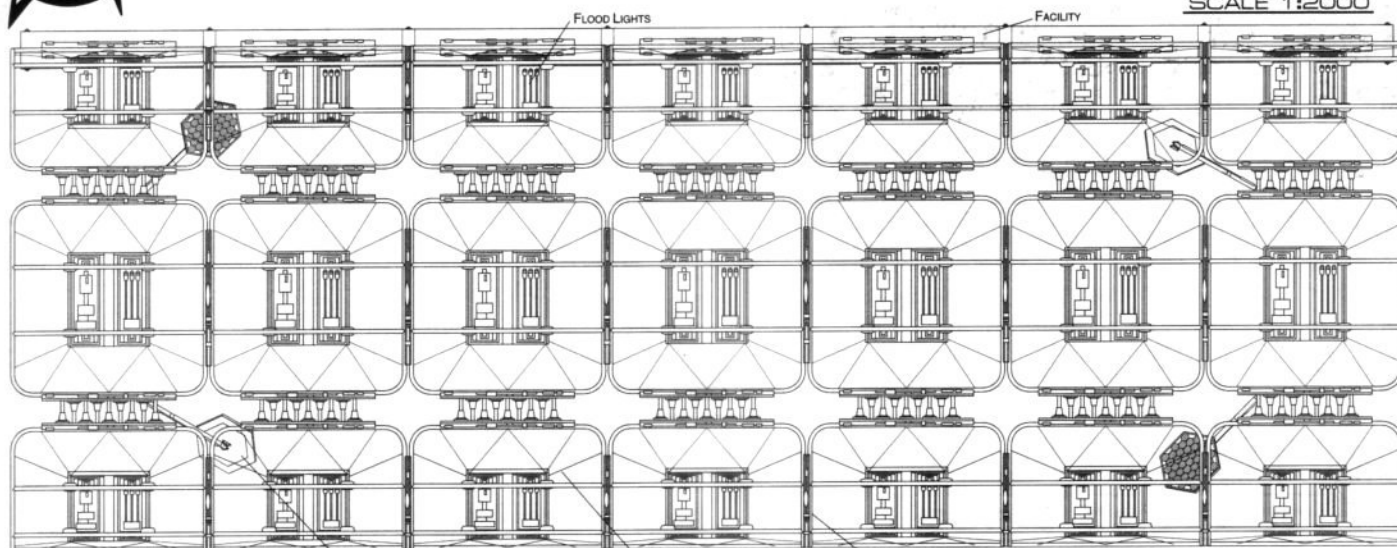




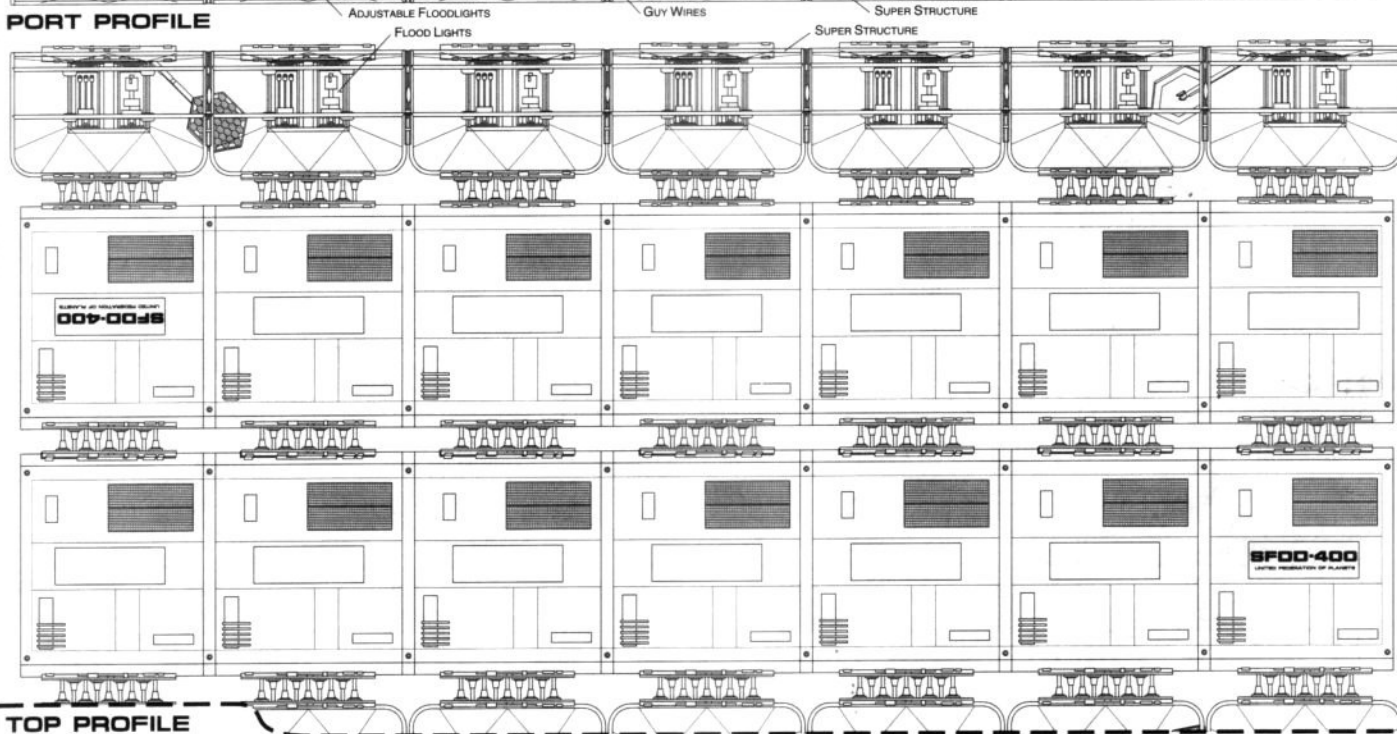
DRY DOCK TYPE IV

METERS
0 10 20 30 40 50
SCALE 1:2000

MAYA CLASS



PORT PROFILE



TOP PROFILE

Statistics

Classification: Dry Dock

Category: Type 4

Class: Maya

Type: Class 4

Model: Type IV

Naval Construction Contract: 400

Number Proposed: 92

Number Constructed: 34

Number in Service: 34

Number Lost: 0

Dimensions:

Overall Dimensions (Meters)

Length: 368.37m

Width: 208.58m

Height: 138.32m

Displacement (Metric Tons)

Light: 260,487mt

Standard: 280,587mt

Full Load: 340,450mt

Duration (Years)

Standard: 20 Years

Maximum: 40 Years

Std. Facility Complement: 300

Officers: 40

Crew (Ensign Grade): 260

Emergency condition: +400

Medical Facilities:

Doctors: 4

Medical Staff: 16

Operating Rooms: 3

Beds: 20

Transporters Total: 11

1 Person: 0

2 Person: 0

6 Person: 4

12 Person: 0

22 Person: 0

Small Cargo: 2

Medium Cargo: 2

Large Cargo: 2

Super Cargo: 1

Replicators: 20

Major Tractor Beams: 1

Tow Capacity: 3.74x106mt

Max Range: 9.00x104km

Minor Tractor Beams: 1

Tow Capacity: 1.90x106mt

Max Range: 4.70x104km

Cargo Specification:

Standard Cargo Units: 200

Cargo Capacity: 10,000mt

Shuttlecraft Specifications:

Shuttlecraft Bays Total: 4

Small Bay: 0

Medium Bay: 0

Large Bay: 4

Super Bay: 0

Shuttlecraft Standard: 110

Work Bees: 40

Tug Shuttle: 12

Work Shuttle: 20

Travel Pods: 10

Light Shuttle: 4

Standard Shuttle: 6

Heavy Shuttle: 3

Cargo Shuttle: 15

Lifeboats: 10

Turbolift (8 person): 4

Lifeboat (10 person): 0

Lifeboat (20 person): 6

Lifeboat (30 person): 0

Sensor Index Values:

Alignment Sensor: 1.599

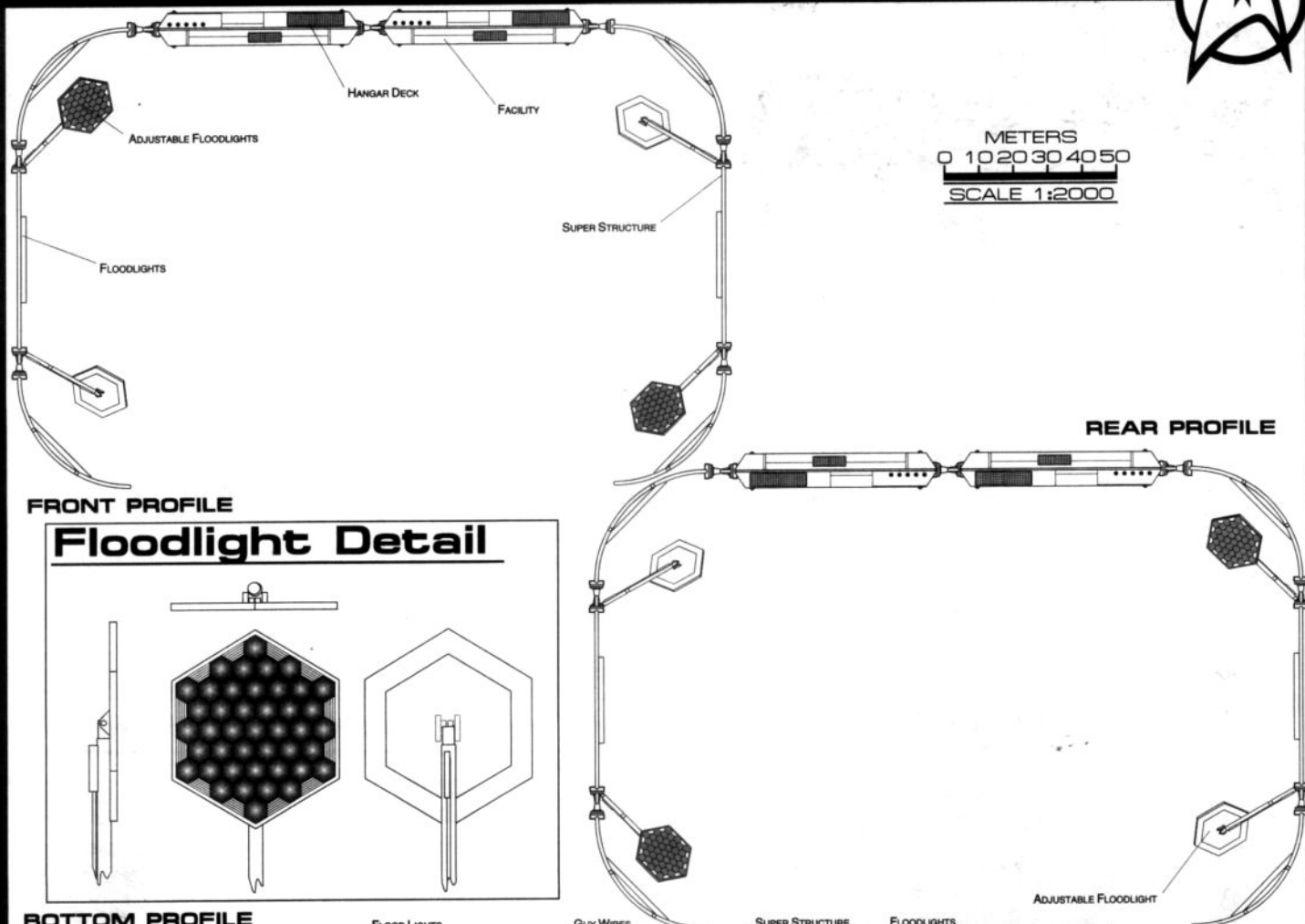
Computers: 2

Type: Daystrom Duotronic II:g

Type: Daystrom Duotronic I:u

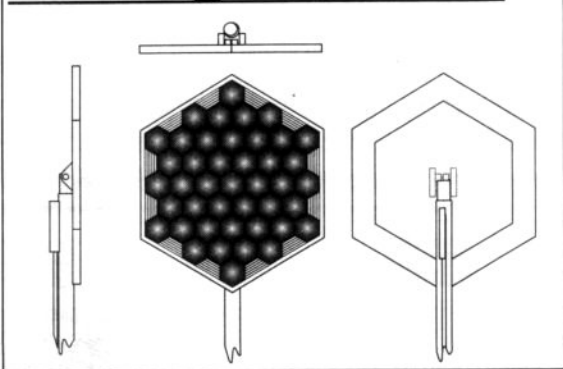
FEDERATION FACILITY

DRY DOCK TYPE IV

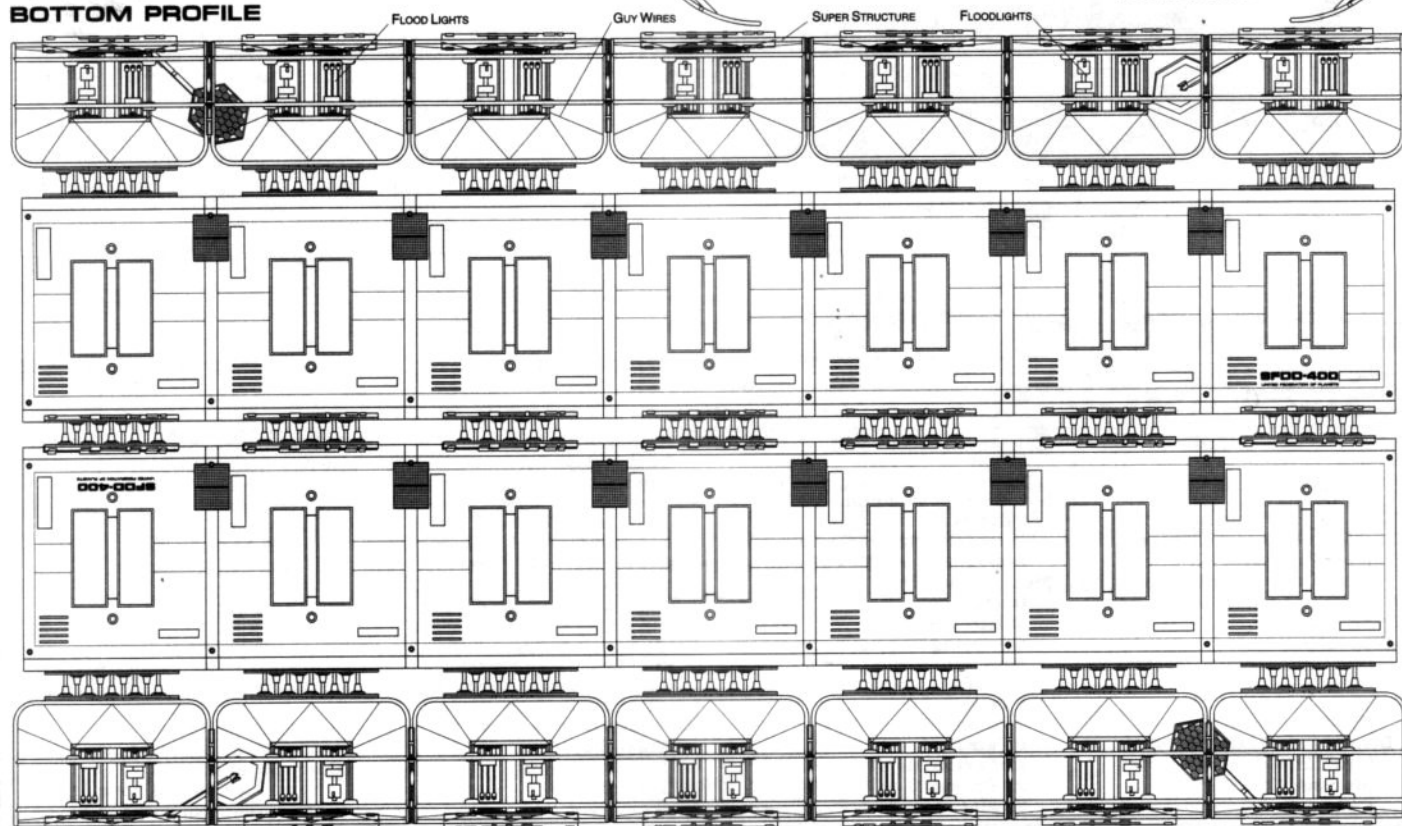


FRONT PROFILE

Floodlight Detail



BOTTOM PROFILE





DRY DOCK TYPE IV

Facility Names

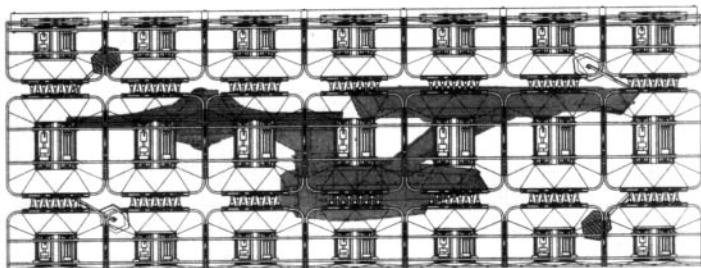
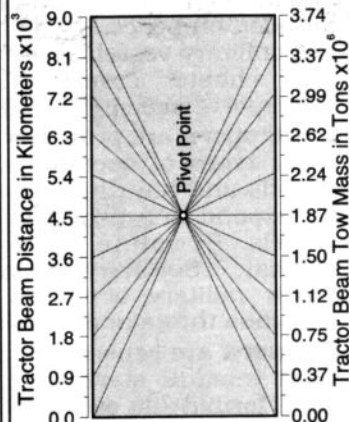
THE FOLLOWING SHIPS OF THE TYPE IV CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2265.5

MAYA • SFDD-400*	MAYA-25 • SFDD-425	MAYA-50 • SFDD-450***	MAYA-75 • SFDD-475***
MAYA-1 • SFDD-401	MAYA-26 • SFDD-426	MAYA-51 • SFDD-451***	MAYA-76 • SFDD-476***
MAYA-2 • SFDD-402	MAYA-27 • SFDD-427	MAYA-52 • SFDD-452***	MAYA-77 • SFDD-477***
MAYA-3 • SFDD-403	MAYA-28 • SFDD-428	MAYA-53 • SFDD-453***	MAYA-78 • SFDD-478***
MAYA-4 • SFDD-404	MAYA-29 • SFDD-429	MAYA-54 • SFDD-454***	MAYA-79 • SFDD-479***
MAYA-5 • SFDD-405	MAYA-30 • SFDD-430	MAYA-55 • SFDD-455***	MAYA-80 • SFDD-480***
MAYA-6 • SFDD-406	MAYA-31 • SFDD-431	MAYA-56 • SFDD-456***	MAYA-81 • SFDD-481***
MAYA-7 • SFDD-407	MAYA-32 • SFDD-432	MAYA-57 • SFDD-457***	MAYA-82 • SFDD-482***
MAYA-8 • SFDD-408	MAYA-33 • SFDD-433	MAYA-58 • SFDD-458***	MAYA-83 • SFDD-483***
MAYA-9 • SFDD-409	MAYA-34 • SFDD-434***	MAYA-59 • SFDD-459***	MAYA-84 • SFDD-484***
MAYA-10 • SFDD-410	MAYA-35 • SFDD-435***	MAYA-60 • SFDD-460***	MAYA-85 • SFDD-485***
MAYA-11 • SFDD-411	MAYA-36 • SFDD-436***	MAYA-61 • SFDD-461***	MAYA-86 • SFDD-486***
MAYA-12 • SFDD-412	MAYA-37 • SFDD-437***	MAYA-62 • SFDD-462***	MAYA-87 • SFDD-487***
MAYA-13 • SFDD-413	MAYA-38 • SFDD-438***	MAYA-63 • SFDD-463***	MAYA-88 • SFDD-488***
MAYA-14 • SFDD-414	MAYA-39 • SFDD-439***	MAYA-64 • SFDD-464***	MAYA-89 • SFDD-489***
MAYA-15 • SFDD-415	MAYA-40 • SFDD-440***	MAYA-65 • SFDD-465***	MAYA-90 • SFDD-490***
MAYA-16 • SFDD-416	MAYA-41 • SFDD-441***	MAYA-66 • SFDD-466***	MAYA-91 • SFDD-491***
MAYA-17 • SFDD-417	MAYA-42 • SFDD-442***	MAYA-67 • SFDD-467***	
MAYA-18 • SFDD-418	MAYA-43 • SFDD-443***	MAYA-68 • SFDD-468***	
MAYA-19 • SFDD-419	MAYA-44 • SFDD-444***	MAYA-69 • SFDD-469***	
MAYA-20 • SFDD-420	MAYA-45 • SFDD-445***	MAYA-70 • SFDD-470***	
MAYA-21 • SFDD-421	MAYA-46 • SFDD-446***	MAYA-71 • SFDD-471***	
MAYA-22 • SFDD-422	MAYA-47 • SFDD-447***	MAYA-72 • SFDD-472***	
MAYA-23 • SFDD-423	MAYA-48 • SFDD-448***	MAYA-73 • SFDD-473***	
MAYA-24 • SFDD-424	MAYA-49 • SFDD-449***	MAYA-74 • SFDD-474***	

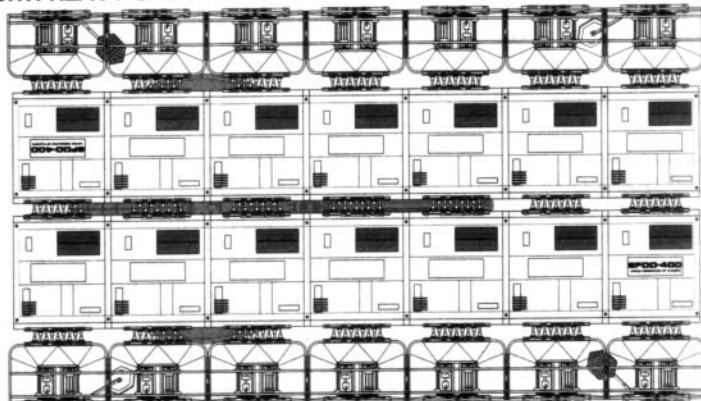
*CLASS SHIP. **LOST IN THE LINE OF DUTY. ***PROPOSED.

Tractor Beam Specifications

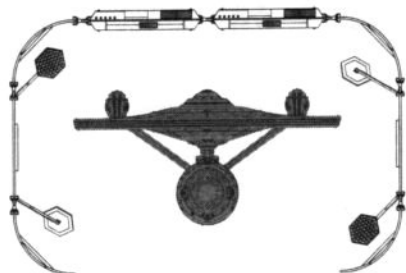
Primary Tractor Beam Load Calculator



SIDE PROFILE
WITH HEAVY CRUISER



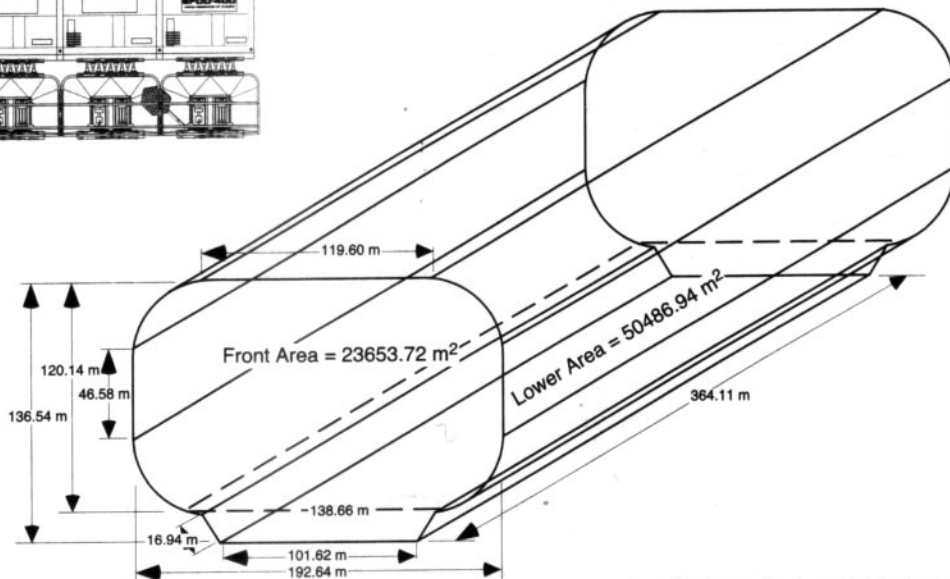
TOP PROFILE
WITH HEAVY CRUISER



FRONT PROFILE
WITH HEAVY CRUISER

WORK AREA DIMENSIONS

Max. Length = 364.11 m
Max. Width = 192.64 m
Max. Height = 136.54 m
Front Area = 23653.77 m²
Lower Area = 50486.94 m²
Volume = 8612461.37 m³



DRY DOCK PROFILES WITH HEAVY CRUISER

DRY DOCK AREA USAGE

LIQUID CONTAINER



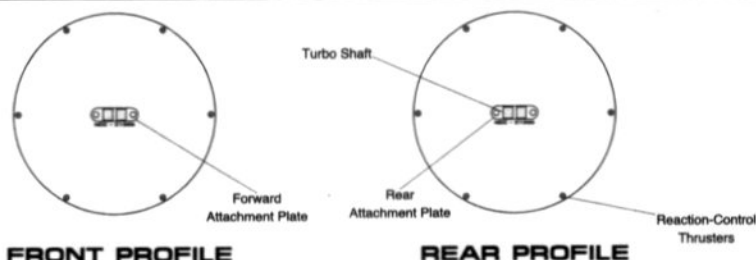
Statistics

Classification: Container
Category: Liquid Container
Type: Class 7
Model: MK-I
Dimensions:
Overall Dimensions (Meters)
 Length: 235.05m
 Width: 48.00m
 Height: 48.00m
Displacement (Metric Tons)
 Standard: 112,938mt
 Full Load: 338,814mt
Duration (Years)
 Standard: 15 Years
 Maximum: 20 Years
Std. Container Complement: 0
Officers: 0
Crew (Ensign Grade): 0
Passengers: 0
Emergency condition: 0
Medical Facilities:
 Doctors: 0
 Nurses: 0
 Operating Rooms: 0
 Beds: 0
Transporters Total: 4
 1 Person: 0
 2 Person: 0
 6 Person: 0
 12 Person: 0
 22 Person: 0
 Small Cargo: 0
 Medium Cargo: 4
 Large Cargo: 0
 Super Cargo: 0
 Mega Cargo: 0
Tractor Beams: 0
 Tow Capacity: N/A
 Max. Range: N/A
Cargo Specification:
 Standard Cargo Units: N/A
 Cargo Capacity: 374,173.8 m³
 Deck Height: 2.4 / 14.4m
Shuttlecraft Specifications:
 Shuttlecraft Bays Total: 0
 Small Bay: 0
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 0
 Shuttlecraft Standard: 0
 Work Bees: 0
 Travel Pods: 0
 Light Shuttle: 0
 Aquatic Shuttle: 0
 Shuttle Standard: 0
 Heavy Shuttle: 0
 Fighter: 0
 Heavy Fighter: 0
 Lifeboats: 4
 Turbolift (8 person): 4
 Lifeboat (10 person): 0
 Lifeboat (20 person): 0
 Lifeboat (30 person): 0
 Docking Rings: 2
Sensor Input Values:
 Planetary Survey: 0.020
 Short Range: 0.020
 Long Range: 0.020
 Navigation: 0.020
 Special: 0.020
Computers: 1
 Type: Daystrom Duotronic Iib
Shield Rating:
 Holdoff Power: 3.24E8
 Refresh Rate: 9.21E7
Shield Dimensions (Meters)
 Length: 282.01m
 Width: 57.6m
 Height: 57.6m

General Information

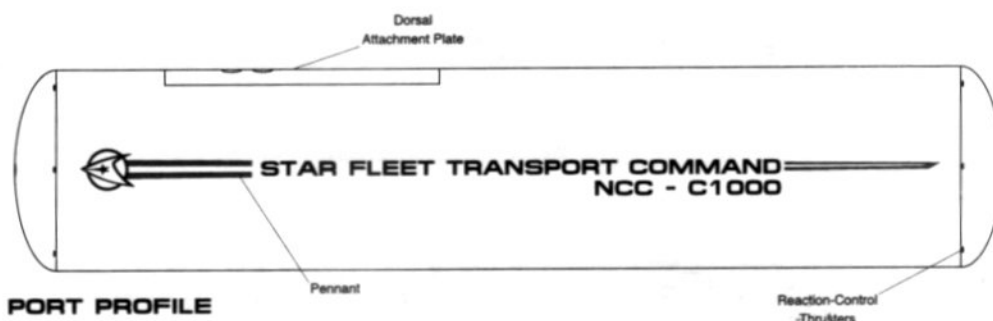
The Liquids Container is used for the transportation of large amounts of liquid materials. The container is equipped with 162 separate baffled compartments, which allows the transportation of different liquids in the same container.

For additional detail refer to Datasheet MVC-1

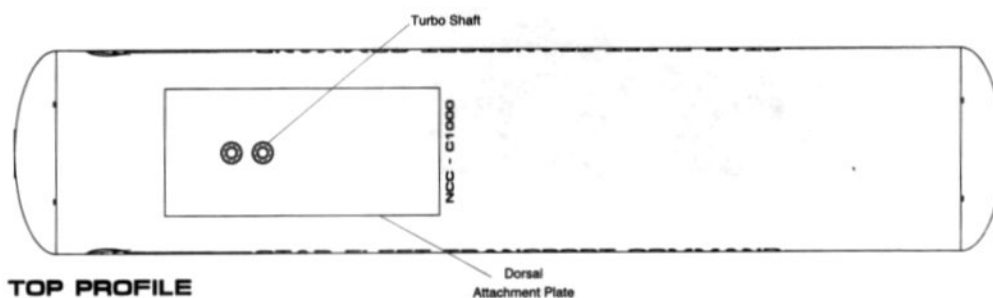


FRONT PROFILE

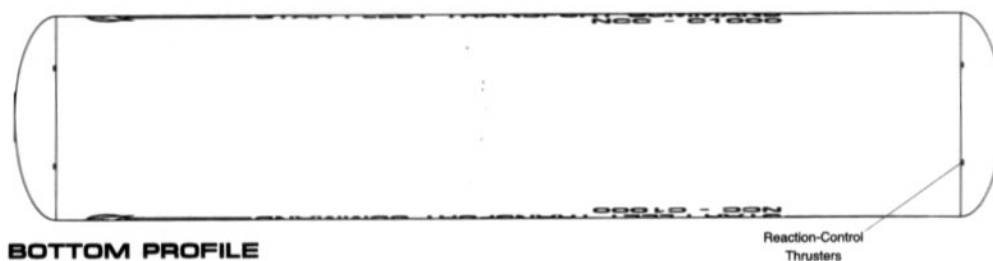
REAR PROFILE



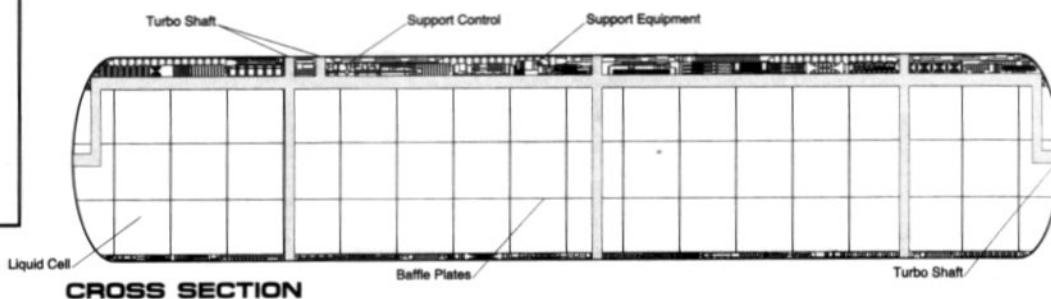
PORT PROFILE



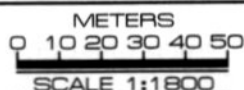
TOP PROFILE



BOTTOM PROFILE



CROSS SECTION



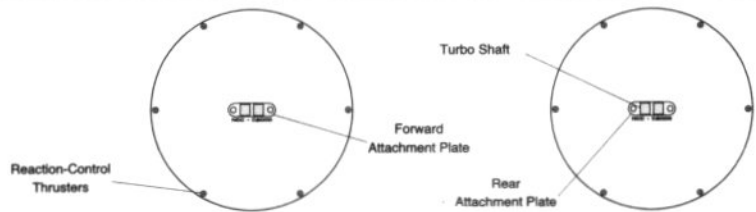


DRY BULK CONTAINER

General Information

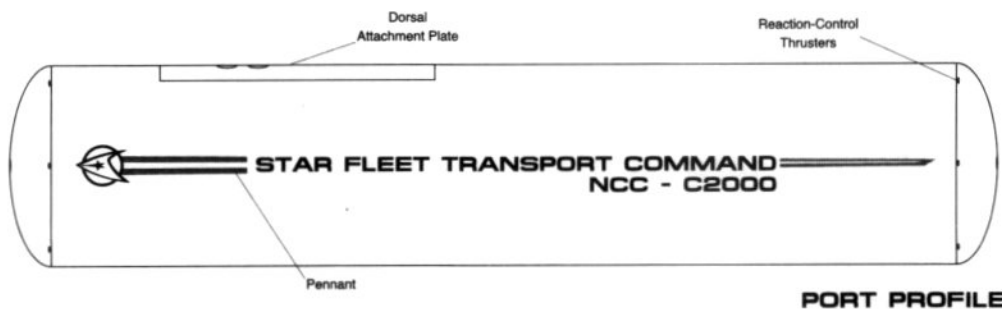
The Dry Bulk Container is used for the transportation of large amounts of material such as ore and grain. The container is equipped with 54 separate compartments, this allows the transportation of different materials in the same container.

For additional detail refer to Datasheet MVC-1

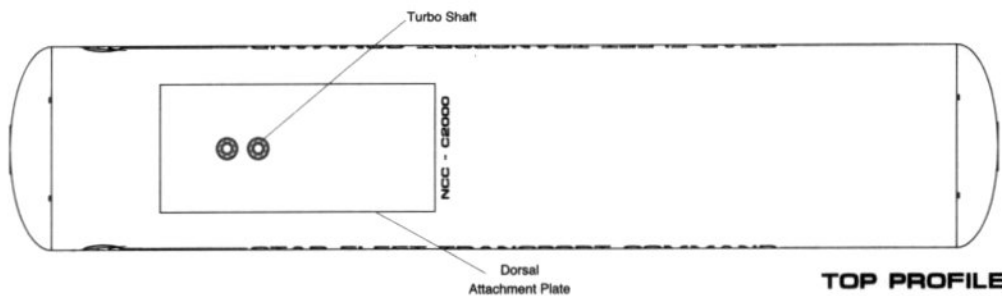


FRONT PROFILE

REAR PROFILE



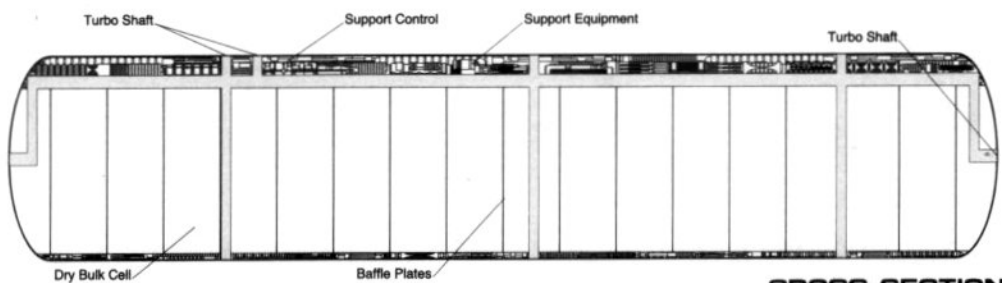
PORT PROFILE



TOP PROFILE



BOTTOM PROFILE



CROSS SECTION

Statistics

Classification: Container

Category: Dry Bulk Container

Type: Class 7

Model: MK-II

Dimensions:

Overall Dimensions (Meters)

Length: 235.05m

Width: 48.00m

Height: 48.00m

Displacement (Metric Tons)

Standard: 111,914mt

Full Load: 332,742mt

Duration (Years)

Standard: 15 Years

Maximum: 20 Years

Std. Container Complement: 0

Officers: 0

Crew (Ensign Grade): 0

Passengers: 0

Emergency condition: 0

Medical Facilities:

Doctors: 0

Nurses: 0

Operating Rooms: 0

Beds: 0

Transporters Total: 4

1 Person: 0

2 Person: 0

6 Person: 0

12 Person: 0

22 Person: 0

Small Cargo: 0

Medium Cargo: 4

Large Cargo: 0

Super Cargo: 0

Mega Cargo: 0

Tractor Beams: 0

Tow Capacity: N/A

Max. Range: N/A

Cargo Specification:

Standard Cargo Units: N/A

Cargo Capacity: 374,165.2m³

Deck Height: 2.4 / 43.2m

Shuttlecraft Specifications:

Shuttlecraft Bays Total: 0

Small Bay: 0

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 0

Work Bees: 0

Travel Pods: 0

Light Shuttle: 0

Aquatic Shuttle: 0

Shuttle Standard: 0

Heavy Shuttle: 0

Fighter: 0

Heavy Fighter: 0

Lifeboats: 4

Turbolift (8 person): 4

Lifeboat (10 person): 0

Lifeboat (20 person): 0

Lifeboat (30 person): 0

Docking Rings: 2

Sensor Input Values:

Planetary Survey: 0.020

Short Range: 0.020

Long Range: 0.020

Navigation: 0.020

Special: 0.020

Computers: 1

Type: Daystrom Duotronic Ic

Shield Rating:

Holdoff Power: 3.24E8

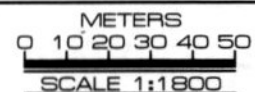
Refresh Rate: 9.21E7

Shield Dimensions (Meters)

Length: 282.01m

Width: 57.6m

Height: 57.6m



REEFERS CONTAINER



Statistics

Classification: Container
Category: Reefers Container
Type: Class 7
Model: MK-III
Dimensions:
Overall Dimensions (Meters)
 Length: 235.05m
 Width: 48.00m
 Height: 48.00m
Displacement (Metric Tons)
 Standard: 135,526mt
 Full Load: 338,815mt
Duration (Years)
 Standard: 15 Years
 Maximum: 20 Years
Std. Container Complement: 0

Officers: 0
Crew (Ensign Grade): 0
Passengers: 0
Emergency condition: 0

Medical Facilities:

Doctors: 0
Nurses: 0
Operating Rooms: 0
Beds: 0

Transporters Total: 4

1 Person: 0
2 Person: 0
6 Person: 0
12 Person: 0
22 Person: 0
Small Cargo: 0
Medium Cargo: 4
Large Cargo: 0
Super Cargo: 0
Mega Cargo: 0

Tractor Beams: 0
Tow Capacity: N/A
Max. Range: N/A

Cargo Specification:

Standard Cargo Units: N/A
Cargo Capacity: 373,182.1 m³
Deck Height: 2.4 m

Shuttlecraft Specifications:

Shuttlecraft Bays Total: 0
Small Bay: 0
Medium Bay: 0
Large Bay: 0
Super Bay: 0
Shuttlecraft Standard: 0
Work Bees: 0
Travel Pods: 0
Light Shuttle: 0
Aquatic Shuttle: 0
Shuttle Standard: 0
Heavy Shuttle: 0
Fighter: 0
Heavy Fighter: 0
Lifeboats: 4
Turbolift (8 person): 4
Lifeboat (10 person): 0
Lifeboat (20 person): 0
Lifeboat (30 person): 0

Docking Rings: 2

Sensor Input Values:

Planetary Survey: 0.020
Short Range: 0.020
Long Range: 0.020
Navigation: 0.020
Special: 0.020

Computers:

Type: Daystrom Duotronic Id

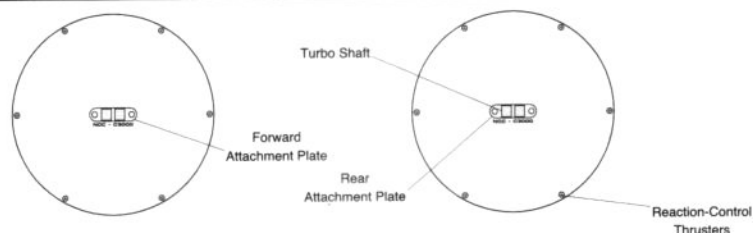
Shield Rating:

Holdoff Power: 3.24E8
Refresh Rate: 9.21E7
Shield Dimensions (Meters)
 Length: 282.01m
 Width: 57.6m
 Height: 57.6m

General Information

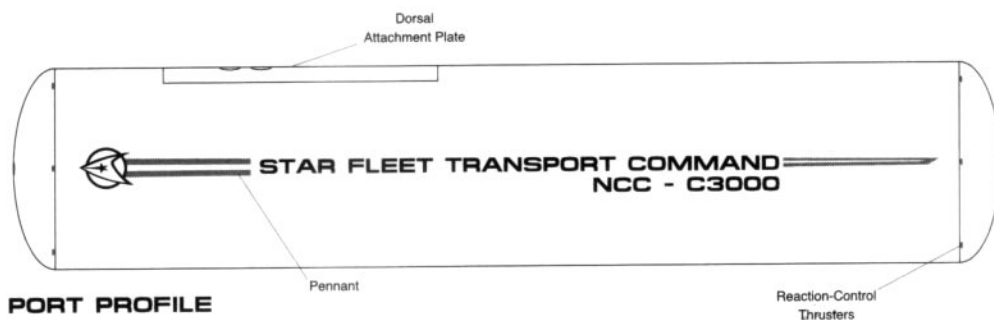
The Reefers Container is used for the transportation of large amounts of materials that require specific climate control for transportation. The container is equipped with 1500 separate climate controlled compartments.

For additional detail refer to Datasheet MVC-1

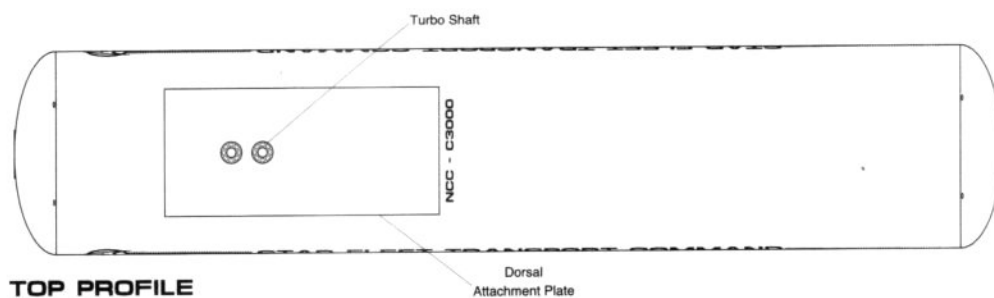


FRONT PROFILE

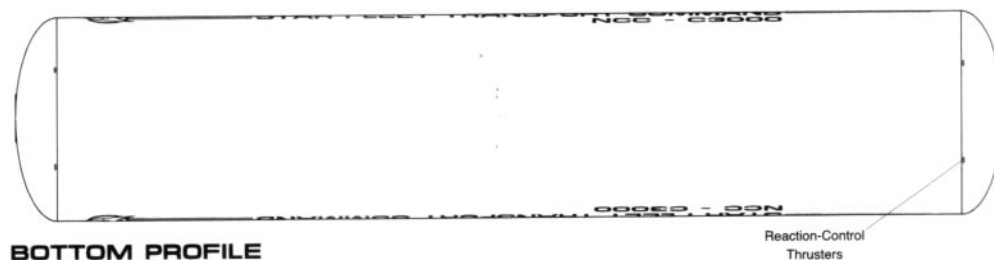
REAR PROFILE



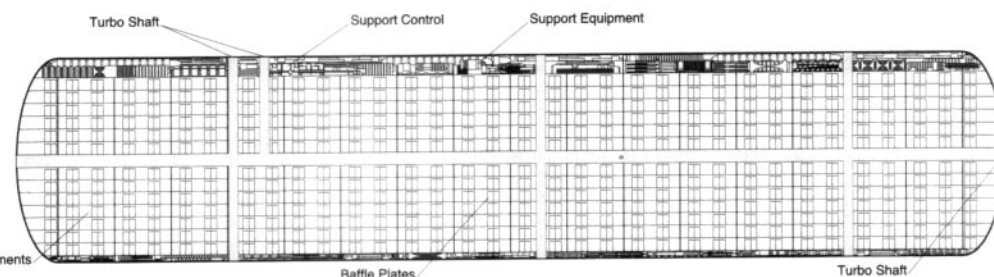
PORT PROFILE



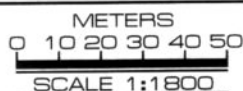
TOP PROFILE



BOTTOM PROFILE



CROSS SECTION





STARLINER CONTAINER

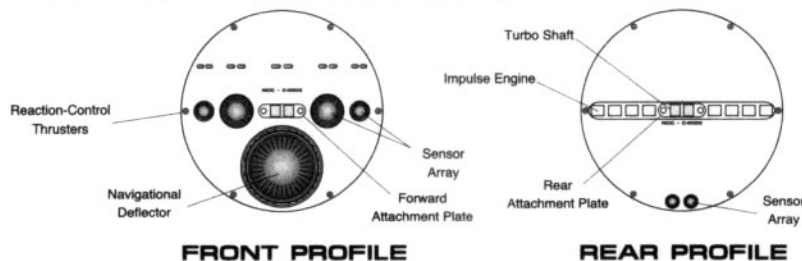
General Information

The Starliner Container is used for the transportation of people. The container is equipped with extensive facilities for both luxury and standard passage. The container is also equipped with a six bay hangar deck used for passenger transportation.

For additional detail refer to Datasheet MVC-1

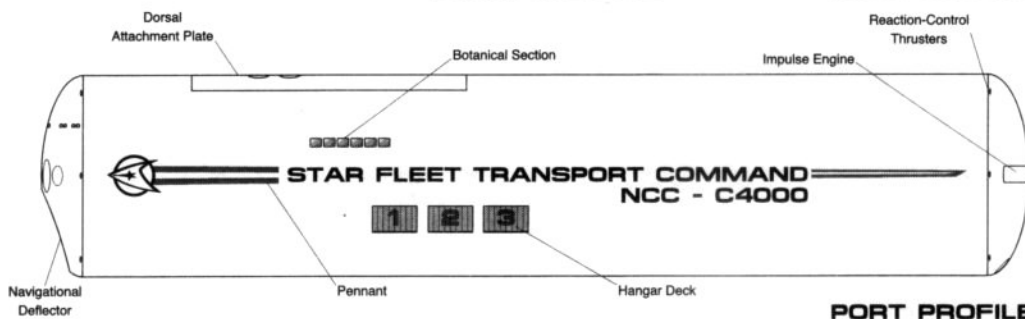
Statistics

Classification: Container
Category: Starliner Container
Type: Class 7
Model: MK-IV
Dimensions:
Overall Dimensions (Meters)
Length: 235.05m
Width: 48.00m
Height: 48.00m
Displacement (Metric Tons)
Standard: 201,036mt
Full Load: 301,554mt
Duration (Years)
Standard: 15 Years
Maximum: 20 Years
Std. Container Complement: 165
Officers: 15
Crew (Ensign Grade): 150
Passengers: 500
Emergency condition: +200
Medical Facilities:
Doctors: 3
Nurses: 15
Operating Rooms: 3
Beds: 20
Transporters Total: 10
1 Person: 0
2 Person: 0
6 Person: 4
12 Person: 0
22 Person: 2
Small Cargo: 0
Medium Cargo: 4
Large Cargo: 0
Super Cargo: 0
Mega Cargo: 0
Tractor Beams: 0
Tow Capacity: N/A
Max. Range: N/A
Cargo Specification:
Standard Cargo Units: 30
Cargo Capacity: 1,500 mt
Deck Height: 2.4 m
Shuttlecraft Specifications:
Shuttlecraft Bays Total: 1
Small Bay: 1
Medium Bay: 0
Large Bay: 0
Super Bay: 0
Shuttlecraft Standard: 5
Work Bees: 0
Travel Pods: 0
Light Shuttle: 0
Aquatic Shuttle: 0
Shuttle Standard: 5
Heavy Shuttle: 0
Fighter: 0
Heavy Fighter: 0
Lifeboats: 35
Turbolift (8 person): 30
Lifeboat (10 person): 0
Lifeboat (20 person): 5
Lifeboat (30 person): 0
Docking Rings: 2
Sensor Input Values:
Planetary Survey: 0.020
Short Range: 0.020
Long Range: 0.020
Navigation: 0.020
Special: 0.020
Computers: 1
Type: Daystrom Duotronic 1e
Shield Rating:
Holdoff Power: 3.24E8
Refresh Rate: 9.21E7
Shield Dimensions (Meters)
Length: 282.01m
Width: 57.6m
Height: 57.6m

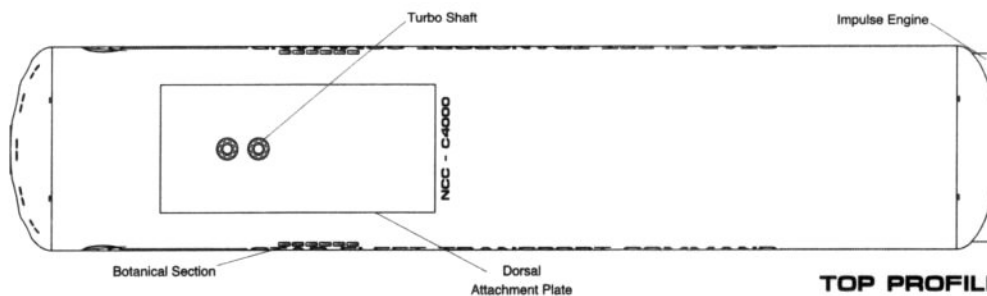


FRONT PROFILE

REAR PROFILE



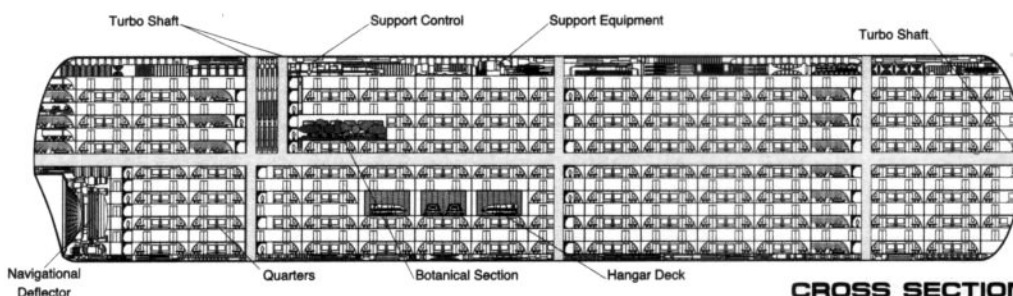
PORT PROFILE



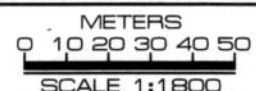
TOP PROFILE



BOTTOM PROFILE



CROSS SECTION



PRODUCTS CONTAINER



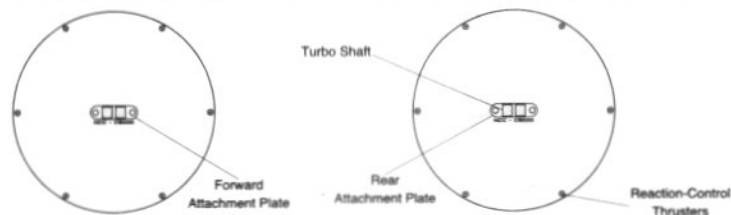
Statistics

Classification: Container
Category: Products Container
Type: Class 7
Model: MK-V
Dimensions:
Overall Dimensions (Meters)
 Length: 235.05m
 Width: 48.00m
 Height: 48.00m
Displacement (Metric Tons)
 Standard: 138,419mt
 Full Load: 329,119mt
Duration (Years)
 Standard: 15 Years
 Maximum: 20 Years
Std. Container Complement: 0
Officers: 0
Crew (Ensign Grade): 0
Passengers: 0
Emergency condition: 0
Medical Facilities:
 Doctors: 0
 Nurses: 0
 Operating Rooms: 0
 Beds: 0
Transporters Total: 4
 1 Person: 0
 2 Person: 0
 6 Person: 0
 12 Person: 0
 22 Person: 0
 Small Cargo: 0
 Medium Cargo: 4
 Large Cargo: 0
 Super Cargo: 0
 Mega Cargo: 0
Tractor Beams: 0
Tow Capacity: N/A
Max. Range: N/A
Cargo Specification:
 Standard Cargo Units: N/A
 Cargo Capacity: 373,529.8 m³
 Deck Height: 2.4 m
Shuttlecraft Specifications:
Shuttlecraft Bays Total: 0
 Small Bay: 0
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 0
Shuttlecraft Standard: 0
 Work Bees: 0
 Travel Pods: 0
 Light Shuttle: 0
 Aquatic Shuttle: 0
 Shuttle Standard: 0
 Heavy Shuttle: 0
 Fighter: 0
 Heavy Fighter: 0
 Lifeboats: 4
 Lifeboat (8 person): 4
 Lifeboat (10 person): 0
 Lifeboat (20 person): 0
 Lifeboat (30 person): 0
Docking Rings: 2
Sensor Input Values:
 Planetary Survey: 0.020
 Short Range: 0.020
 Long Range: 0.020
 Navigation: 0.020
 Special: 0.020
Computers: 1
 Type: Daystrom Duotronic 1e
Shield Rating:
 Holdoff Power: 3.24E8
 Refresh Rate: 9.21E7
Shield Dimensions (Meters)
 Length: 282.01m
 Width: 57.6m
 Height: 57.6m

General Information

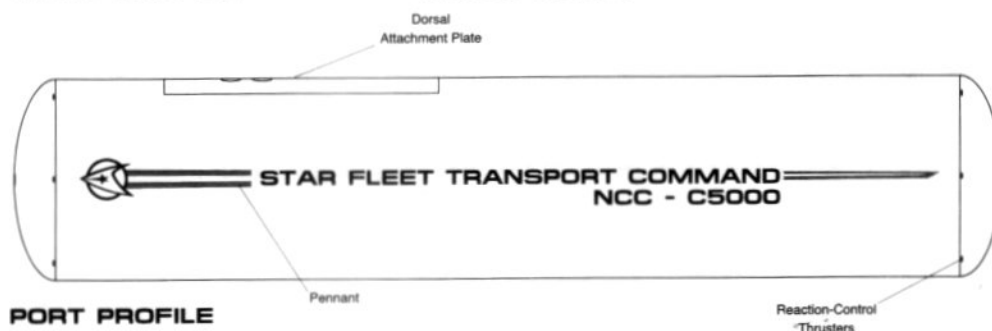
The Products Container is used for the transportation of large amounts of general materials. The container is equipped with 1500 separate compartments which allows the transportation of individual products.

For additional detail refer to Datasheet MVC-1

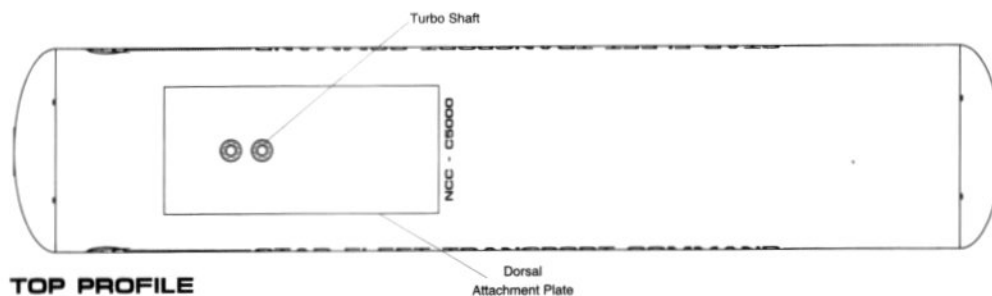


FRONT PROFILE

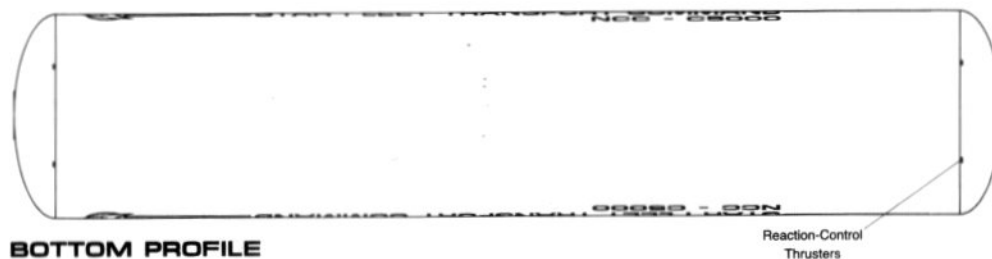
REAR PROFILE



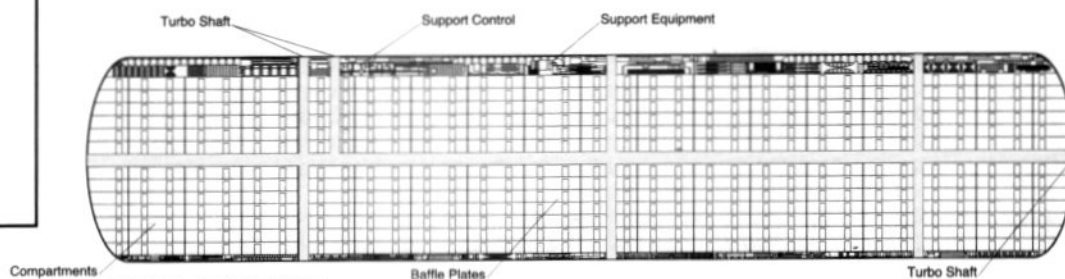
PORT PROFILE



TOP PROFILE



BOTTOM PROFILE



CROSS SECTION

METERS
 0 10 20 30 40 50
 SCALE 1:1800

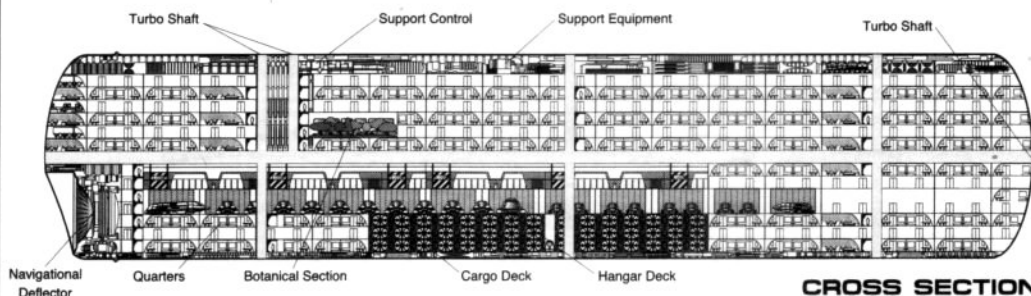
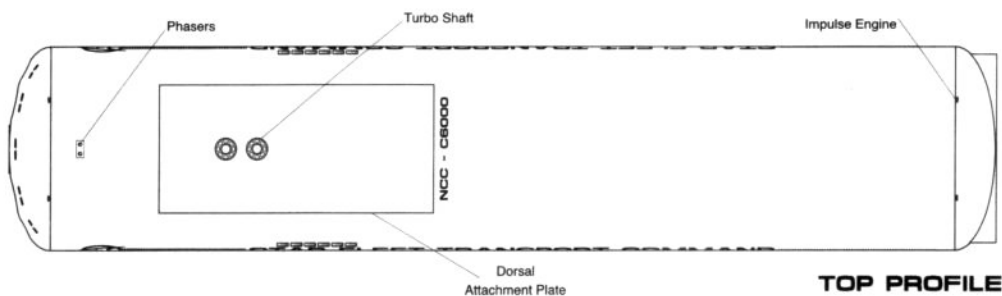
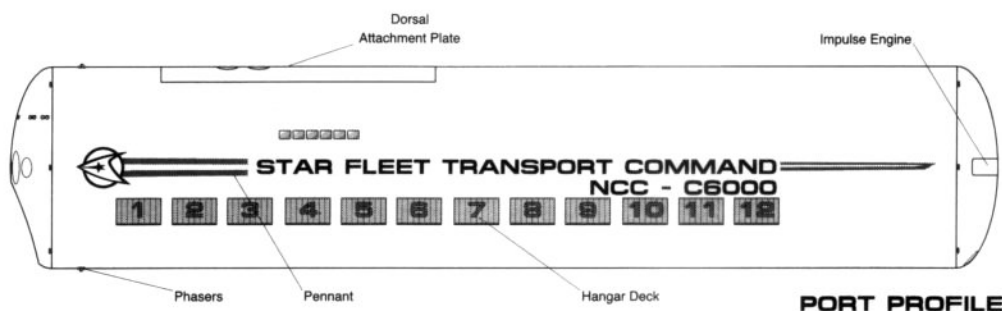
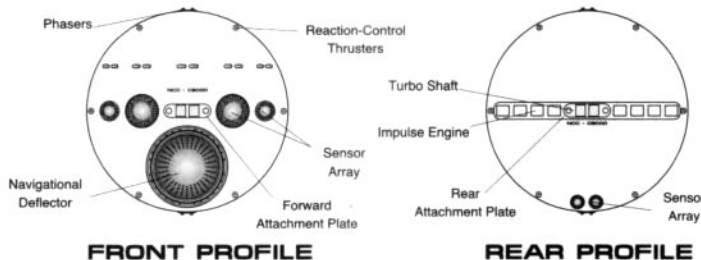


ASSAULT CONTAINER

General Information

The Assault Transport Container is used for the transportation and support of Federation Peace Keeping Forces (Starfleet Marines). The container is equipped with facilities and supplies to support the troops. The container is also equipped with a twenty four bay hangar deck used for fighters and assault craft.

For additional detail refer to Datasheet MVC-2



Statistics

Classification: Container
Category: Assault Transport Container
Type: Class 7
Model: MK-VI

Dimensions:

Overall Dimensions (Meters)

Length: 235.05m
Width: 48.00m
Height: 48.00m

Displacement (Metric Tons)

Standard: 1225,389mt
Full Load: 358,125mt

Duration (Years)

Standard: 15 Years
Maximum: 20 Years

Std. Container Complement: 460

Officers: 60
Crew (Ensign Grade): 400
Passengers: 30
Emergency condition: +200

Medical Facilities:

Doctors: 7
Nurses: 25
Operating Rooms: 8
Beds: 30

Transporters Total: 21

1 Person: 0
2 Person: 0
6 Person: 8
12 Person: 4
22 Person: 5
Small Cargo: 0
Medium Cargo: 4
Large Cargo: 0
Super Cargo: 0
Mega Cargo: 0

Tractor Beams: 0

Tow Capacity: N/A
Max. Range: N/A

Cargo Specification:

Standard Cargo Units: 150
Cargo Capacity: 7,500 mt
Deck Height: 2.4 m

Shuttlecraft Specifications:

Shuttlecraft Bays Total: 1

Small Bay: 0
Medium Bay: 0
Large Bay: 1
Super Bay: 0

Shuttlecraft Standard: 22

Work Bees: 0
Travel Pods: 0
Light Shuttle: 0
Aquatic Shuttle: 2
Shuttle Standard: 5
Assault Shuttle: 15

Fighter: 15
Heavy Fighter: 15

Lifeboats: 26

Turbolift (8 person): 20
Lifeboat (10 person): 0
Lifeboat (20 person): 6
Lifeboat (30 person): 0

Docking Rings: 2

Sensor Input Values:

Planetary Survey: 0.020
Short Range: 0.020
Long Range: 0.020
Navigation: 0.020
Special: 0.020

Computers: 1

Type: Daystrom Duotronic II

Shield Rating:

Holdoff Power: 3.24E8
Refresh Rate: 9.21E7
Shield Dimensions (Meters)
Length: 282.01m
Width: 57.6m
Height: 57.6m

METERS
0 10 20 30 40 50
SCALE 1:1800

DELIVERANCE CLASS

FEDERATION CONTAINER

ENGINE REPAIR CONTAINER

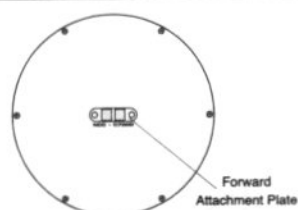


Statistics

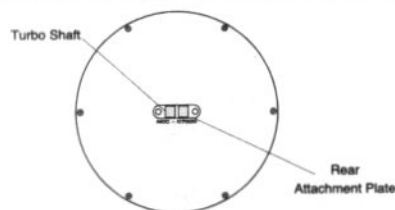
Classification: Container
Category: Engine Repair Container
Type: Class 7
Model: MK-VII
Dimensions:
Overall Dimensions (Meters)
 Length: 235.05m
 Width: 48.00m
 Height: 48.00m
Displacement (Metric Tons)
 Standard: 101,423mt
 Full Load: 342,812mt
Duration (Years)
 Standard: 15 Years
 Maximum: 20 Years
Std. Container Complement: 100
Officers: 20
Crew (Ensign Grade): 80
Passengers: 30
Emergency condition: +90
Medical Facilities:
Doctors: 2
Nurses: 4
Operating Rooms: 2
Beds: 5
Transporters Total: 6
 1 Person: 0
 2 Person: 0
 6 Person: 2
 12 Person: 0
 22 Person: 0
 Small Cargo: 0
 Medium Cargo: 4
 Large Cargo: 0
 Super Cargo: 0
 Mega Cargo: 0
Tractor Beams: 0
Tow Capacity: 3.55×10^6 mt
Max Range: 9.21×10^3 km
Cargo Specification:
Standard Cargo Units: N/A
Cargo Capacity: 350,188.8 m³
Deck Height: 2.4 m
Shuttlecraft Specifications:
Shuttlecraft Bays Total: 1
 Small Bay: 0
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 1
Shuttlecraft Standard: 27
 Work Bees: 20
 Travel Pods: 5
 Light Shuttle: 0
 Aquatic Shuttle: 0
 Shuttle Standard: 2
 Heavy Shuttle: 0
 Fighter: 0
 Heavy Fighter: 0
 Lifeboats: 8
 Turbolift (8 person): 4
 Lifeboat (10 person): 0
 Lifeboat (20 person): 4
 Lifeboat (30 person): 0
 Docking Rings: 2
Sensor Input Values:
 Planetary Survey: 0.020
 Short Range: 0.020
 Long Range: 0.020
 Navigation: 0.020
 Special: 0.020
Computers: 1
Type: Daystrom Duotronic Ig
Shield Rating:
 Holdoff Power: 3.24E8
 Refresh Rate: 9.21E7
Shield Dimensions (Meters)
 Length: 282.01m
 Width: 57.6m
 Height: 57.6m

General Information

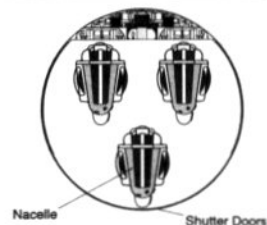
The Engine Repair Container is used for the transportation and installation of warp nacelles. The container can carry up to three nacelles with facilities and shops for repair work. Located on the bottom of the container are 12 large shutter doors that allow the engine from a distressed ship to be put inside without disassembly for easier repair work. For additional detail refer to Datasheet MVC-2



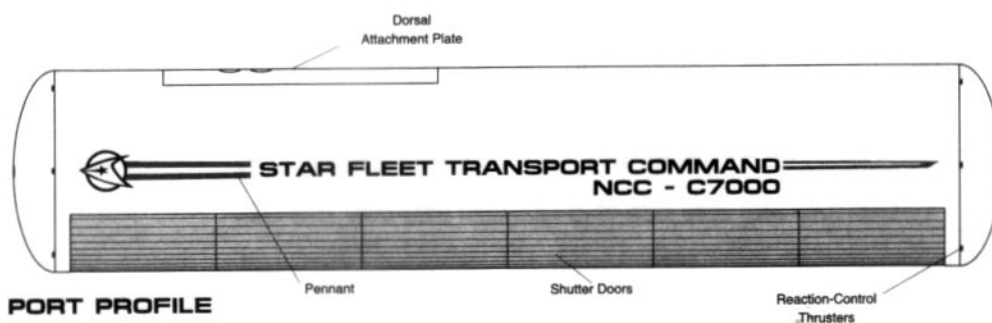
FRONT PROFILE



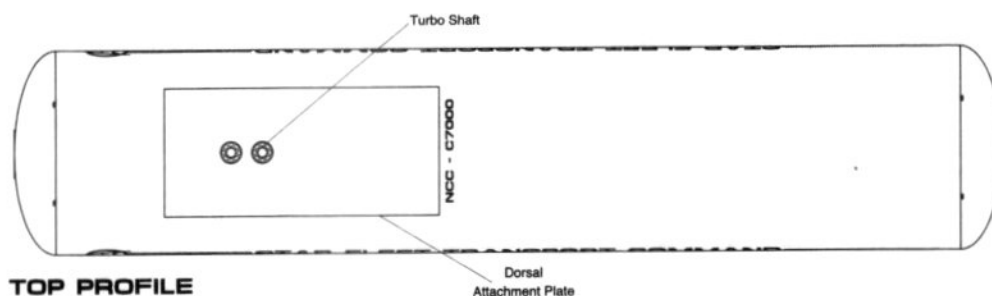
REAR PROFILE



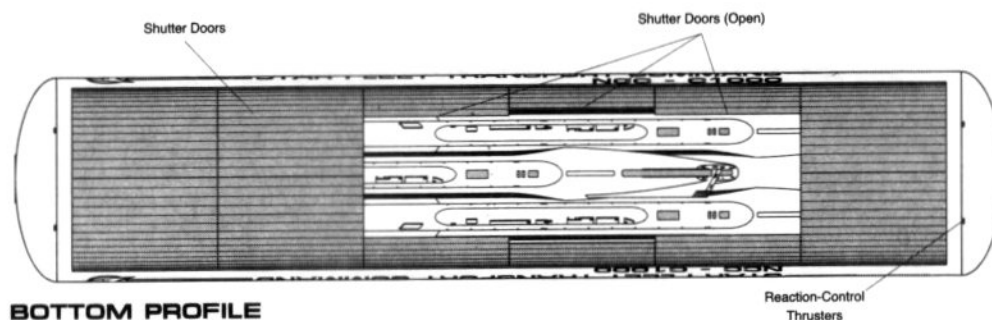
CROSS SECTION



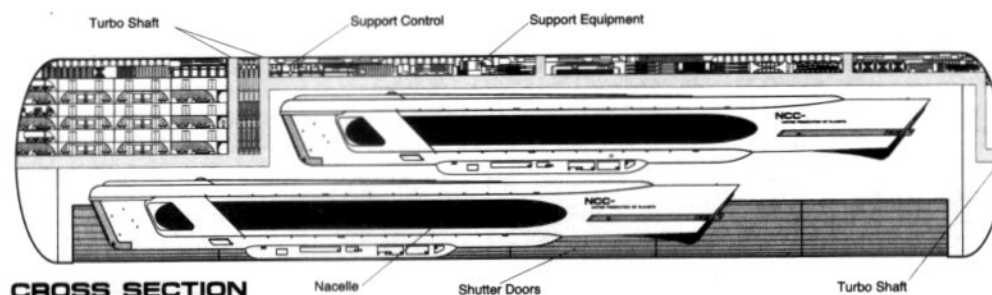
PORT PROFILE



TOP PROFILE



BOTTOM PROFILE



CROSS SECTION

METERS
 0 10 20 30 40 50
 SCALE 1:1800



LARGE PRODUCT CONTAINER

General Information

The Large Product Container is used for the transportation of large items that can not be towed by a tractor beam. This container is equipped with a large door located at the rear to allow items to be placed inside.

For additional detail refer to Datasheet MVC-2

Statistics

Classification: Container
Category: Large Product Container
Type: Class 7
Model: MK-VIII

Dimensions:

Overall Dimensions (Meters)

Length: 235.05m

Width: 49.01m

Height: 49.22m

Displacement (Metric Tons)

Standard: 100,112mt

Full Load: 351,521mt

Duration (Years)

Standard: 15 Years

Maximum: 20 Years

Std. Container Complement: 0

Officers: 0

Crew (Ensign Grade): 0

Passengers: 0

Emergency condition: 0

Medical Facilities:

Doctors: 0

Nurses: 0

Operating Rooms: 0

Beds: 0

Transporters Total: 2

1 Person: 0

2 Person: 0

6 Person: 1

12 Person: 0

22 Person: 0

Small Cargo: 0

Medium Cargo: 1

Large Cargo: 0

Super Cargo: 0

Mega Cargo: 0

Tractor Beams: 1

Tow Capacity: 3.37×10^6 mt

Max. Tow Capacity: 9.10×10^3 km

Cargo Specification:

Standard Cargo Units: N/A

Cargo Capacity: $374,173.8 \text{ m}^3$

Deck Height: 47.01m

Shuttlecraft Specifications:

Shuttlecraft Bays Total: 0

Small Bay: 0

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 0

Work Bees: 0

Travel Pods: 0

Light Shuttle: 0

Aquatic Shuttle: 0

Shuttle Standard: 0

Heavy Shuttle: 0

Fighter: 0

Heavy Fighter: 0

Lifeboats: 2

Turbolift (8 person): 2

Lifeboat (10 person): 0

Lifeboat (20 person): 0

Lifeboat (30 person): 0

Docking Rings: 2

Sensor Input Values:

Planetary Survey: 0.020

Short Range: 0.020

Long Range: 0.020

Navigation: 0.020

Special: 0.020

Computers: 1

Type: Daystrom Duotronic Ii

Shield Rating:

Holdoff Power: 3.24E8

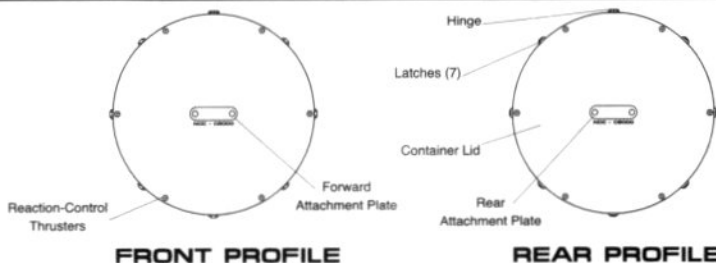
Refresh Rate: 9.21E7

Shield Dimensions (Meters)

Length: 282.01m

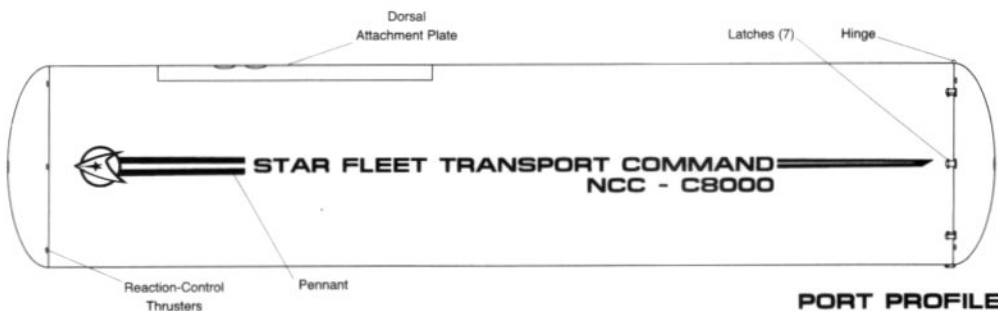
Width: 57.6m

Height: 57.6m

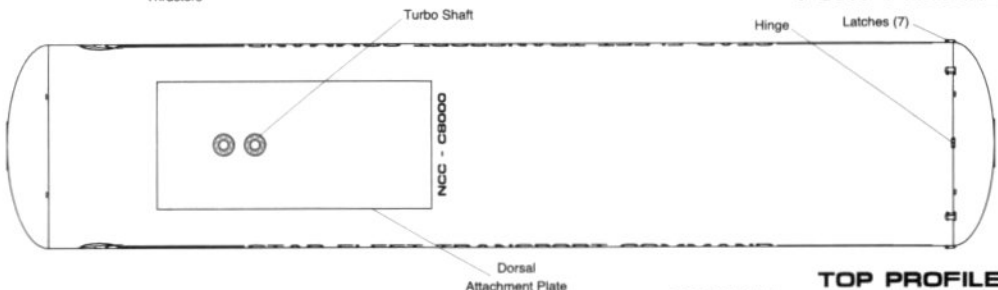


FRONT PROFILE

REAR PROFILE



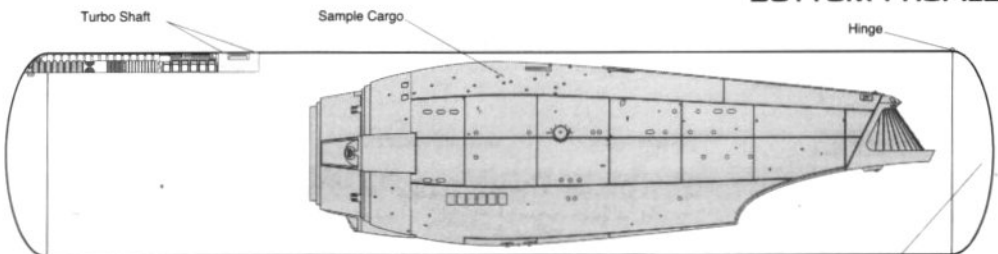
PORT PROFILE



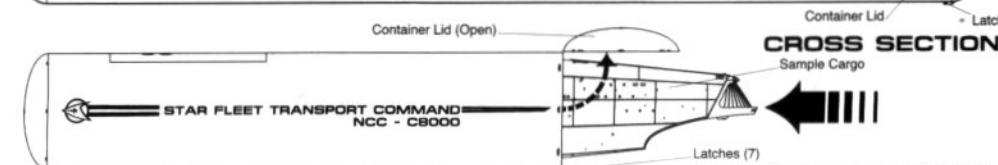
TOP PROFILE



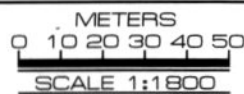
BOTTOM PROFILE



CROSS SECTION



CONTAINER LOADING



DELIVERANCE CLASS

FEDERATION CONTAINER

COLONIAL TRANSPORT



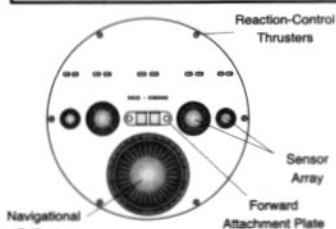
Statistics

Classification: Container
Category: Colonial Transport Container
Type: Class 7
Model: MK-IX
Dimensions:
Overall Dimensions (Meters)
 Length: 235.05m
 Width: 48.00m
 Height: 48.00m
Displacement (Metric Tons)
 Standard: 223,411mt
 Full Load: 356,144mt
Duration (Years)
 Standard: 15 Years
 Maximum: 20 Years
Std. Container Complement: 115
Officers: 15
Crew (Ensign Grade): 100
Passengers: 400
Emergency condition: +300
Medical Facilities:
 Doctors: 5
 Nurses: 9
 Operating Rooms: 5
 Beds: 15
Transporters Total: 10
 1 Person: 0
 2 Person: 0
 6 Person: 4
 12 Person: 0
 22 Person: 2
 Small Cargo: 0
 Medium Cargo: 4
 Large Cargo: 0
 Super Cargo: 0
 Mega Cargo: 0
Tractor Beams: 0
Tow Capacity: N/A
Max. Range: N/A
Cargo Specification:
 Standard Cargo Units: 450
 Cargo Capacity: 22,500 mt
 Deck Height: 2.4 m
Shuttlecraft Specifications:
Shuttlecraft Bays Total: 1
 Small Bay: 0
 Medium Bay: 1
 Large Bay: 0
 Super Bay: 0
Shuttlecraft Standard: 22
 Work Bees: 0
 Travel Pods: 0
 Light Shuttle: 2
 Aquatic Shuttle: 0
 Shuttle Standard: 8
 Heavy Shuttle: 0
 Cargo Shuttle: 12
 Heavy Fighter: 0
Lifeboats: 20
 Turbolift (8 person): 10
 Lifeboat (10 person): 0
 Lifeboat (20 person): 0
 Lifeboat (30 person): 10
Docking Rings: 2
Sensor Input Values:
 Planetary Survey: 0.020
 Short Range: 0.020
 Long Range: 0.020
 Navigation: 0.020
 Special: 0.020
Computers: 1
Type: Daystrom Duotronic Ig
Shield Rating:
 Holdoff Power: 3.24E8
 Refresh Rate: 9.21E7
Shield Dimensions (Meters)
 Length: 282.01m
 Width: 57.6m
 Height: 57.6m

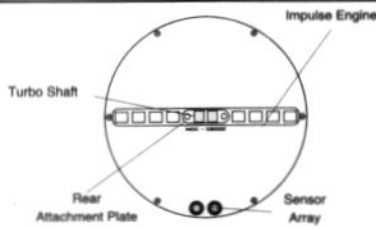
General Information

The Colonial Transport Container is used for the transportation and support of colonization efforts. The container is equipped with facilities and supplies to support colonization. The container is also equipped with a twelve bay hangar deck used for ground support.

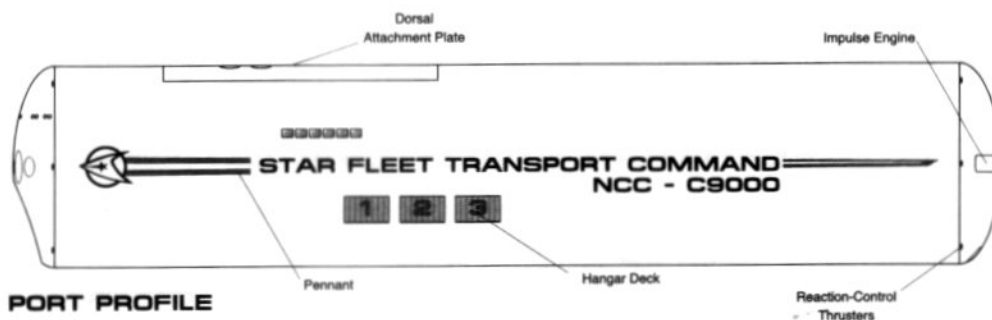
For additional detail refer to Datasheet MVC-2



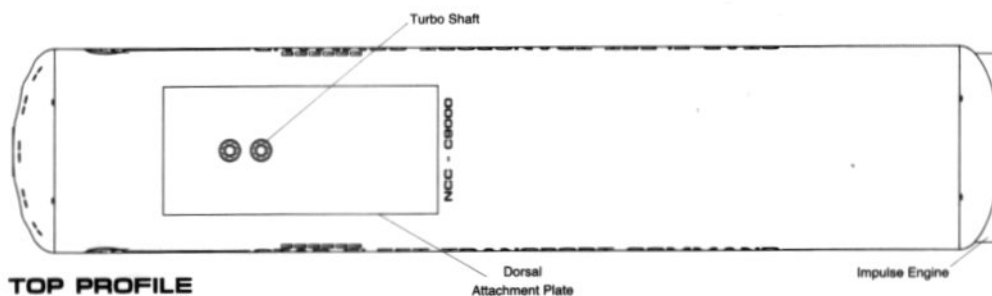
FRONT PROFILE



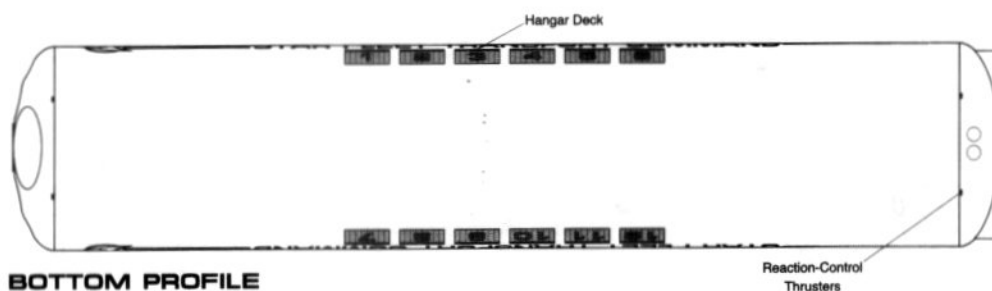
REAR PROFILE



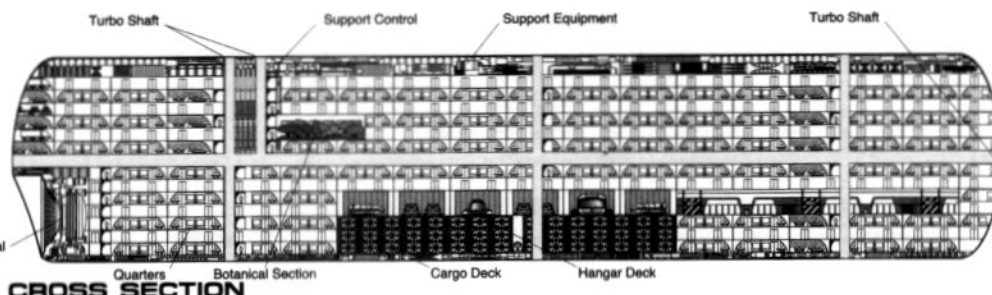
PORT PROFILE



TOP PROFILE



BOTTOM PROFILE



CROSS SECTION

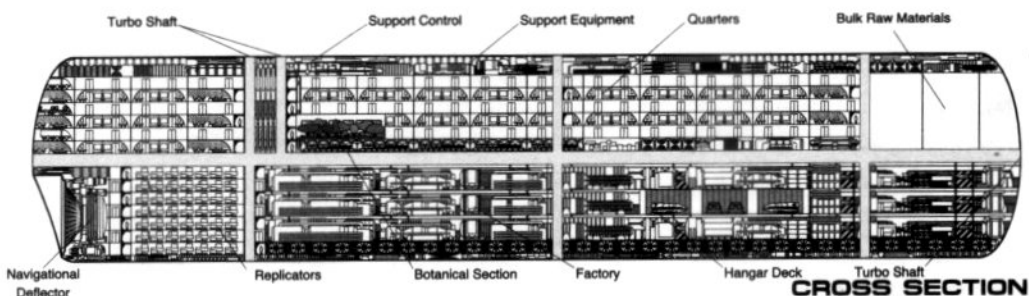
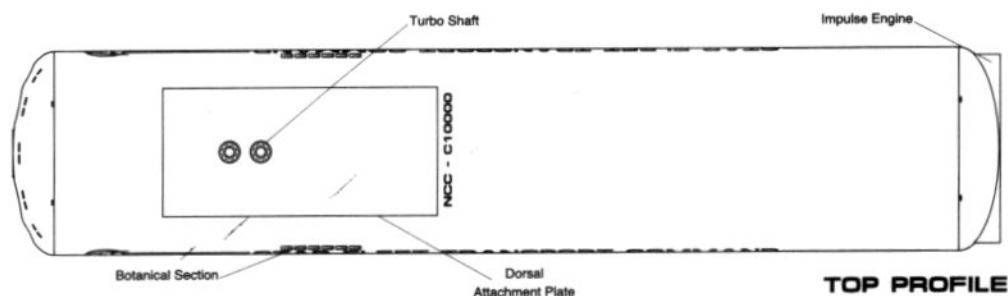
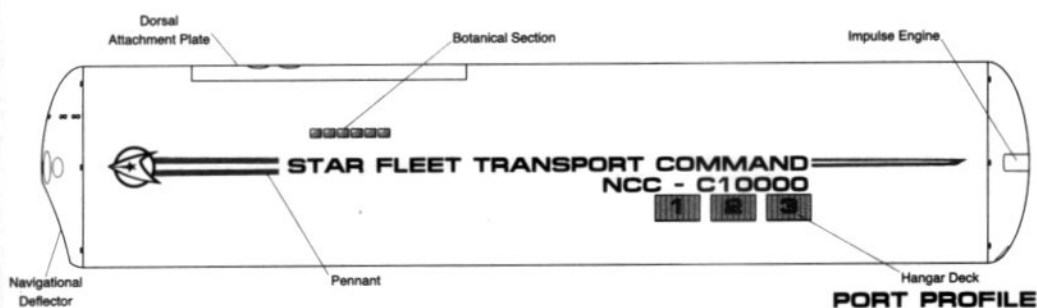
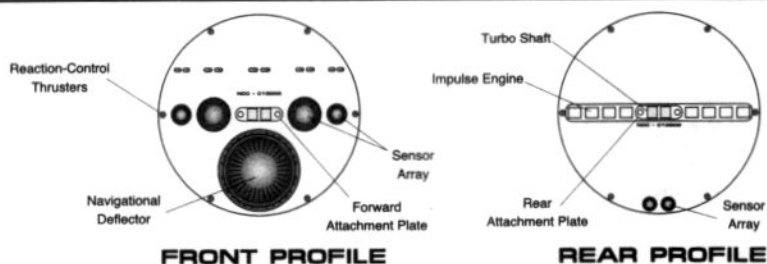
METERS
 0 10 20 30 40 50
 SCALE 1:1800



FACTORY CONTAINER

General Information

The Factory Container is designed to be transported to various locations so that materials can be manufactured on the spot. The container is equipped with extensive replicators and shops for processing and manufacturing. The container is also equipped with a six bay hangar deck used for transportation of materials. For additional detail refer to Datasheet MVC-2



Statistics

Classification: Container
Category: Factory Container
Type: Class 7
Model: MK-X

Dimensions:

Overall Dimensions (Meters)

Length: 235.05m
Width: 48.00m
Height: 48.00m

Displacement (Metric Tons)

Standard: 243,819mt
Full Load: 368,149mt

Duration (Years)

Standard: 15 Years
Maximum: 20 Years

Std. Container Complement: 330

Officers: 30

Crew (Ensign Grade): 300

Passengers: 30

Emergency condition: +200

Medical Facilities:

Doctors: 5

Nurses: 12

Operating Rooms: 4

Beds: 12

Transporters Total: 10

1 Person: 0

2 Person: 0

6 Person: 4

12 Person: 0

22 Person: 1

Small Cargo: 0

Medium Cargo: 4

Large Cargo: 1

Super Cargo: 0

Mega Cargo: 0

Tractor Beams: 0

Tow Capacity: N/A

Max. Range: N/A

Cargo Specification:

Standard Cargo Units: 500

Cargo Capacity: 25,000 mt

Deck Height: 2.4 m

Shuttlecraft Specifications:

Shuttlecraft Bays Total: 1

Small Bay: 0

Medium Bay: 0

Large Bay: 1

Super Bay: 0

Shuttlecraft Standard: 16

Work Bees: 0

Travel Pods: 0

Light Shuttle: 2

Aquatic Shuttle: 0

Shuttle Standard: 3

Heavy Shuttle: 1

Cargo Shuttle: 10

Heavy Fighter: 0

Lifeboats: 17

Turbolift (8 person): 8

Lifeboat (10 person): 0

Lifeboat (20 person): 0

Lifeboat (30 person): 9

Docking Rings: 2

Sensor Input Values:

Planetary Survey: 0.020

Short Range: 0.020

Long Range: 0.020

Navigation: 0.020

Special: 0.020

Computers: 3

Type: Daystrom Duotronic Ij

Shield Rating:

Holdoff Power: 3.24E8

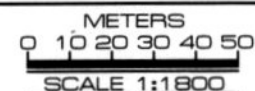
Refresh Rate: 9.21E7

Shield Dimensions (Meters)

Length: 282.01m

Width: 57.6m

Height: 57.6m



DELIVERANCE CLASS

FEDERATION CONTAINER

SHUTTLECRAFT CONTAINER



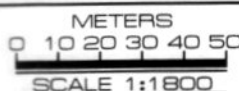
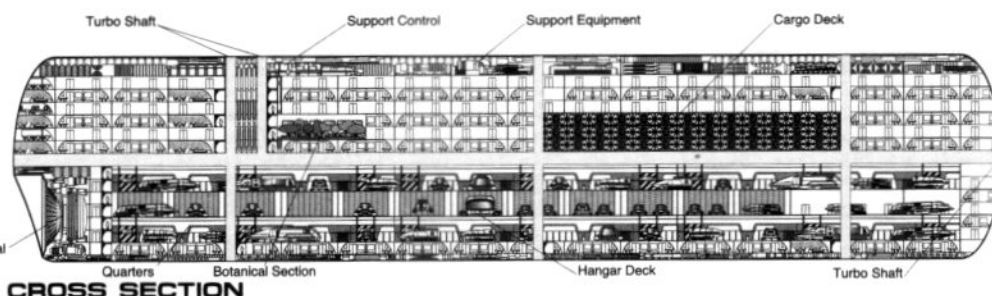
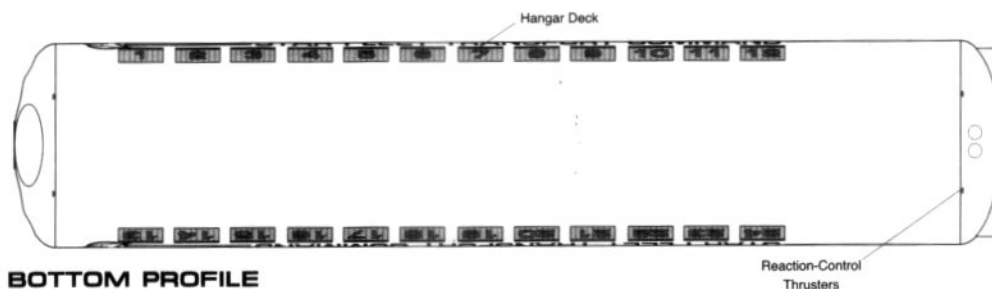
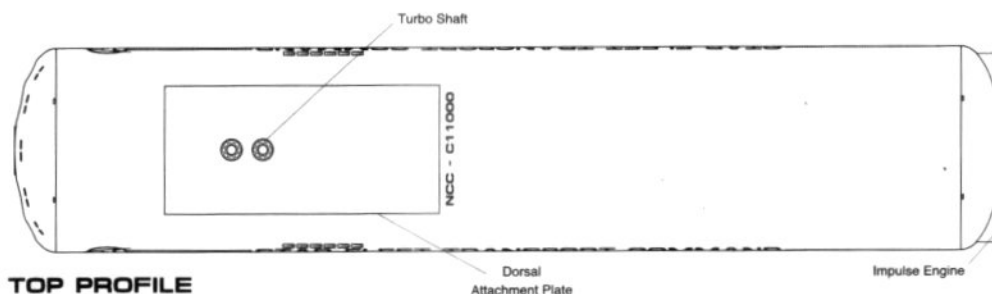
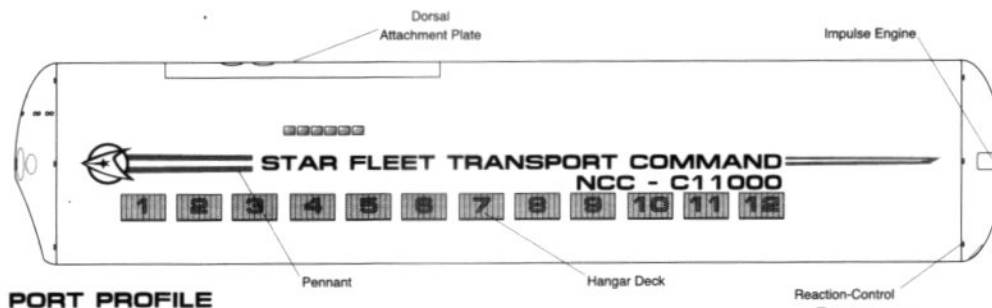
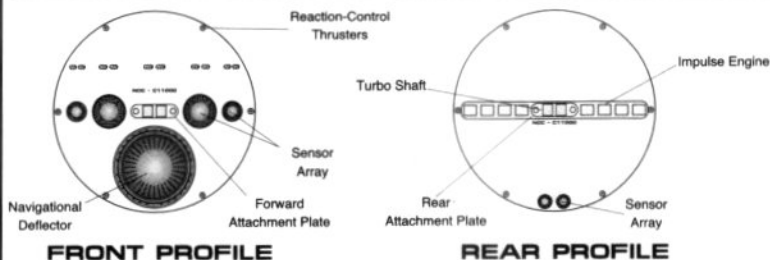
Statistics

Classification: Container
Category: Shuttlecraft Container
Type: Class 7
Model: MK-XI
Dimensions:
Overall Dimensions (Meters)
 Length: 235.05m
 Width: 48.00m
 Height: 48.00m
Displacement (Metric Tons)
 Standard: 185,321mt
 Full Load: 354,719mt
Duration (Years)
 Standard: 15 Years
 Maximum: 20 Years
Std. Container Complement: 385
Officers: 35
Crew (Ensign Grade): 350
Passengers: 30
Emergency condition: +200
Medical Facilities:
 Doctors: 5
 Nurses: 16
 Operating Rooms: 4
 Beds: 20
Transporters Total: 10
 1 Person: 0
 2 Person: 0
 6 Person: 4
 12 Person: 0
 22 Person: 2
 Small Cargo: 0
 Medium Cargo: 4
 Large Cargo: 0
 Super Cargo: 0
 Mega Cargo: 0
Tractor Beams: 0
 Tow Capacity: N/A
 Max. Range: N/A
Cargo Specification:
 Standard Cargo Units: 100
 Cargo Capacity: 5,000 mt
 Deck Height: 2.4 / 7.2m
Shuttlecraft Specifications:
 Shuttlecraft Bays Total: 2
 Small Bay: 0
 Medium Bay: 0
 Large Bay: 2
 Super Bay: 0
 Shuttlecraft Standard: 97
 Work Bees: 15
 Travel Pods: 5
 Light Shuttle: 20
 Aquatic Shuttle: 5
 Shuttle Standard: 25
 Heavy Shuttle: 15
 Fighter: 6
 Heavy Fighter: 6
 Lifeboats: 16
 Turbolift (8 person): 8
 Lifeboat (10 person): 0
 Lifeboat (20 person): 0
 Lifeboat (30 person): 8
 Docking Rings: 2
Sensor Input Values:
 Planetary Survey: 0.020
 Short Range: 0.020
 Long Range: 0.020
 Navigation: 0.020
 Special: 0.020
Computers: 1
 Type: Daystrom Duotronic 1k
Shield Rating:
 Holdoff Power: 3.24E8
 Refresh Rate: 9.21E7
Shield Dimensions (Meters)
 Length: 282.01m
 Width: 57.6m
 Height: 57.6m

General Information

The Shuttlecraft Container is used for the support of a large number of shuttles and fighters. The container is equipped with a twenty four bay hangar deck with two additional main hangar decks. Located above the hangar facilities are the living quarters for the pilots

For additional detail refer to Datasheet MVC-3





SURVEY CONTAINER

General Information

The Survey Container is used for exploration, charting and research. The container is equipped with extensive laboratories and sensors. The container is also equipped with a six bay hangar deck used for specific location surveys.

For additional detail refer to Datasheet MVC-3

Statistics

Classification: Container
Category: Survey Container

Type: Class 7

Model: MK-XII

Dimensions:

Overall Dimensions (Meters)

Length: 235.05m

Width: 48.00m

Height: 49.21m

Displacement (Metric Tons)

Standard: 234,448mt

Full Load: 355,891mt

Duration (Years)

Standard: 15 Years

Maximum: 20 Years

Std. Container Complement: 366

Officers: 36

Crew (Ensign Grade): 330

Passengers: 30

Emergency condition: +200

Medical Facilities:

Doctors: 5

Nurses: 12

Operating Rooms: 4

Beds: 15

Transporters Total: 10

1 Person: 0

2 Person: 0

6 Person: 4

12 Person: 0

22 Person: 2

Small Cargo: 0

Medium Cargo: 4

Large Cargo: 0

Super Cargo: 0

Mega Cargo: 0

Tractor Beams: 0

Tow Capacity: N/A

Max. Range: N/A

Cargo Specification:

Standard Cargo Units: 300

Cargo Capacity: 15,000 mt

Deck Height: 2.4 m

Shuttlecraft Specifications:

Shuttlecraft Bays Total: 1

Small Bay: 0

Medium Bay: 1

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 24

Work Bees: 2

Travel Pods: 2

Light Shuttle: 1

Aquatic Shuttle: 2

Shuttle Standard: 4

Heavy Shuttle: 2

Survey Shuttle: 10

Heavy Fighter: 0

Lifeboats: 22

Turbolift (8 person): 12

Lifeboat (10 person): 0

Lifeboat (20 person): 0

Lifeboat (30 person): 10

Docking Rings: 2

Sensor Input Values:

Planetary Survey: 1.566

Short Range: 1.754

Long Range: 1.344

Navigation: 0.501

Special: 1.622

Computers: 1

Type: Daystrom Duotronic IIa

Shield Rating:

Holdoff Power: 3.24E8

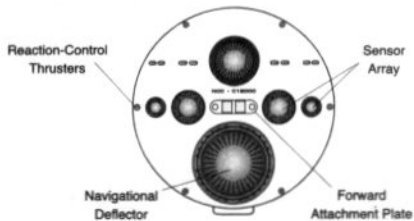
Refresh Rate: 9.21E7

Shield Dimensions (Meters)

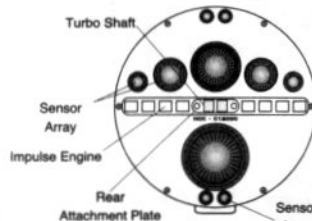
Length: 282.01m

Width: 57.6m

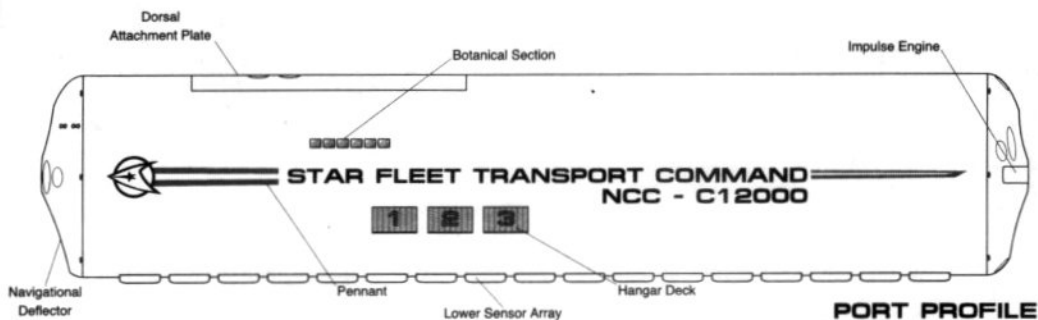
Height: 57.6m



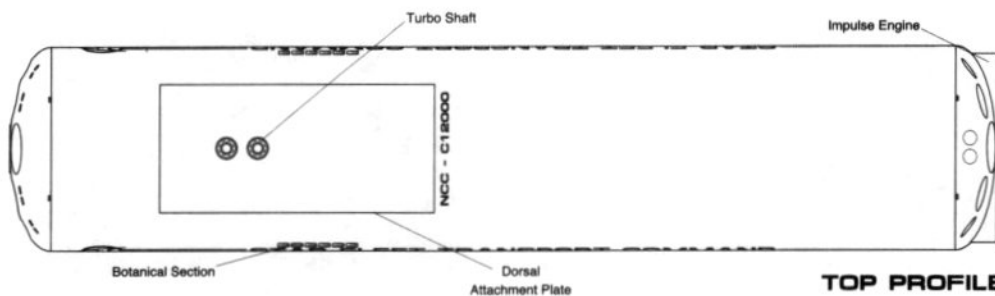
FRONT PROFILE



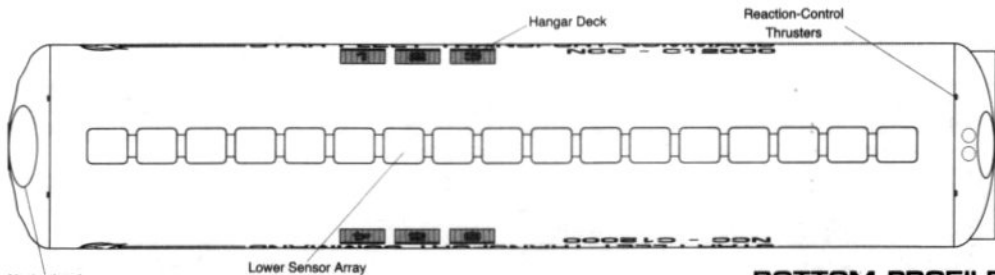
REAR PROFILE



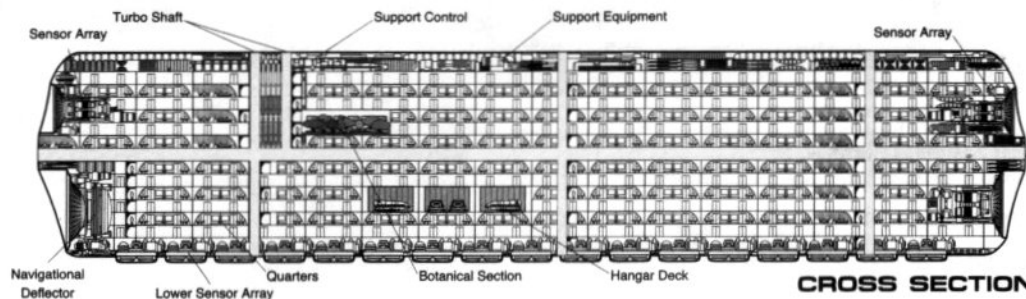
PORT PROFILE



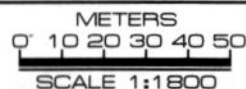
TOP PROFILE



BOTTOM PROFILE



CROSS SECTION



DEUTERIUM CONTAINER

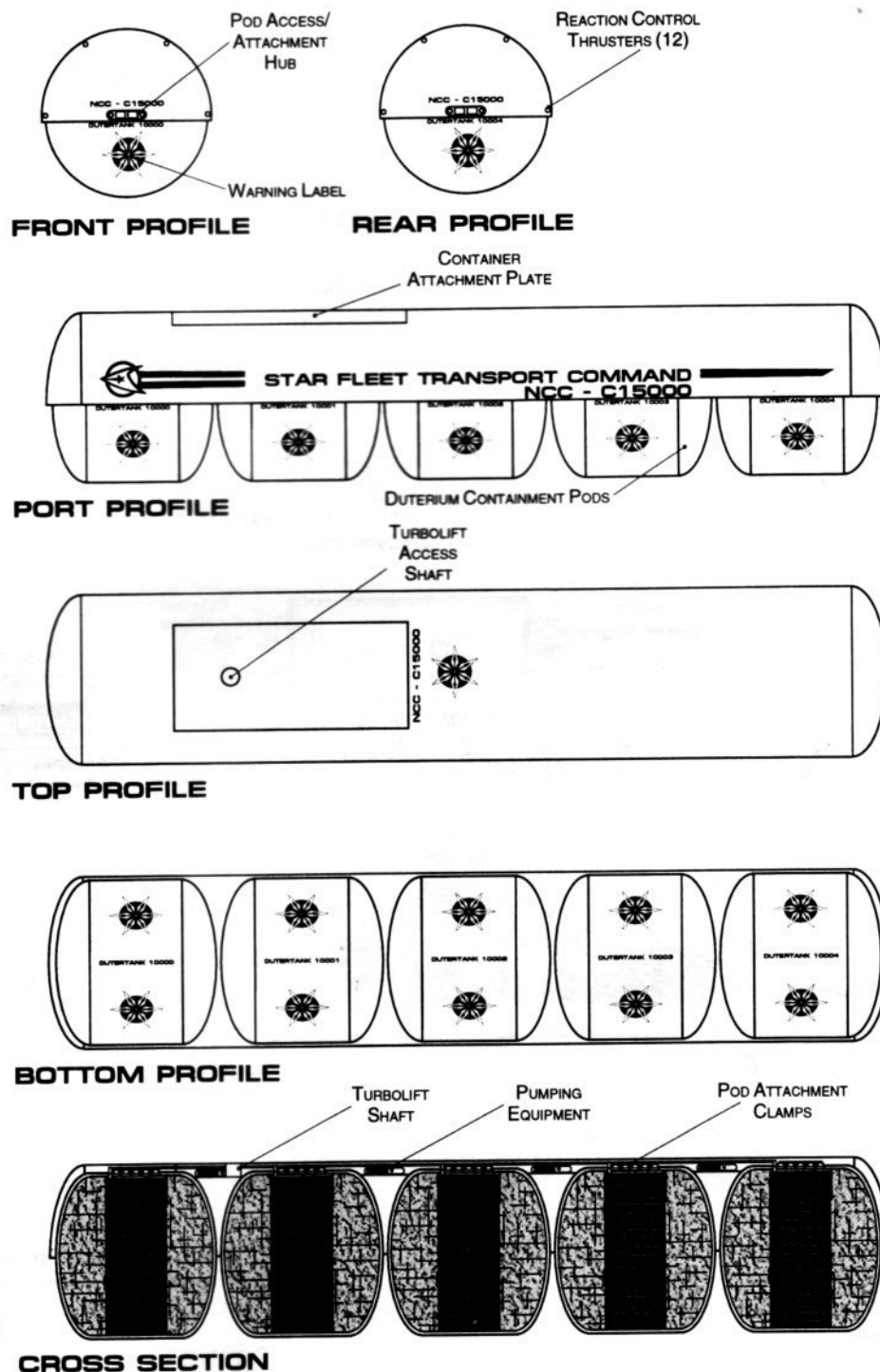


Statistics

Classification: Container
Category: Deuterium Container
Type: Class 7
Model: MK-XVI
Dimensions:
Overall Dimensions (Meters)
 Length: 235.05m
 Width: 48.00m
 Height: 25.63 / 47.71m
Displacement (Metric Tons)
 Standard: 125,389mt
 Full Load: 558,125mt
Duration (Years)
 Standard: 15 Years
 Maximum: 20 Years
Std. Container Complement: 0
Officers: 0
Crew (Ensign Grade): 0
Passengers: 0
Emergency condition: +0
Medical Facilities:
 Doctors: 0
 Nurses: 0
 Operating Rooms: 0
 Beds: 0
Transporters Total: 2
 1 Person: 0
 2 Person: 0
 6 Person: 0
 12 Person: 0
 22 Person: 0
 Small Cargo: 0
 Medium Cargo: 2
 Large Cargo: 0
 Super Cargo: 0
 Mega Cargo: 0
Tractor Beams: 0
 Tow Capacity: N/A
 Max. Range: N/A
Cargo Specification:
 Standard Cargo Units: N/A
 Cargo Capacity: N/A
 Deck Height: N/A
Shuttlecraft Specifications:
Shuttlecraft Bays Total: 0
 Small Bay: 0
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 0
Shuttlecraft Standard: 0
 Work Bees: 0
 Travel Pods: 0
 Light Shuttle: 0
 Aquatic Shuttle: 0
 Shuttle Standard: 0
 Assault Shuttle: 0
 Fighter: 0
 Heavy Fighter: 0
 Lifeboats: 0
 Turbolift (8 person): 0
 Lifeboat (10 person): 0
 Lifeboat (20 person): 0
 Lifeboat (30 person): 0
Docking Rings: 2
Sensor Input Values:
 Planetary Survey: 0.000
 Short Range: 0.000
 Long Range: 0.000
 Navigation: 0.000
 Special: 0.000
Computers: 1
 Type: Daystrom Duotronic 1k1
Shield Rating:
 Holdoff Power: 3.24E8
 Refresh Rate: 9.21E7
Shield Dimensions (Meters)
 Length: 282.01m
 Width: 57.6m
 Height: 57.6m

General Information

The Deuterium Container is a modular deuterium super-tanker system. Each pod can be independently removed for use or service and can be jettisoned in an emergency.



METERS
 0 10 20 30 40 50
 SCALE 1:2000

MEDICAL CONTAINER



Statistics

Classification: Medical Container

Category: Container

Type: Class 7

Model: MK-XIII

Dimensions:

Overall Dimensions (Meters)

Length: 235.05m

Width: 48.00m

Height: 48.00m

Displacement (Metric Tons)

Standard: 115,938mt

Full Load: 342,814mt

Duration (Years)

Standard: 15 Years

Maximum: 20 Years

Std. Container Complement: 550

Officers: 100

Crew (Ensign Grade): 450

Passengers: 1000

Emergency condition: +1000

Medical Facilities:

Doctors: 100

Nurses: 500

Operating Rooms: 80

Beds: 3000

Transporters Total: 16

1 Person: 0

2 Person: 0

6 Person: 8

12 Person: 0

22 Person: 4

Small Cargo: 4

Medium Cargo: 0

Large Cargo: 0

Super Cargo: 0

Mega Cargo: 0

Tractor Beams: 0

Tow Capacity: N/A

Max. Range: N/A

Cargo Specification:

Standard Cargo Units: 187

Cargo Capacity: 9,350mt

Deck Height: 2.4m

Shuttlecraft Specifications:

Shuttlecraft Bays Total: 12

Small Bay: 12

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 15

Work Bees: 0

Travel Pods: 0

Light Shuttle: 8

Aquatic Shuttle: 0

Shuttle Standard: 5

Heavy Shuttle: 0

Medical Shuttle: 10

Heavy Fighter: 0

Lifeboats: 35

Turbolift (8 person): 15

Lifeboat (10 person): 0

Lifeboat (20 person): 0

Lifeboat (30 person): 20

Docking Rings: 2

Sensor Input Values:

Planetary Survey: 0.020

Short Range: 0.020

Long Range: 0.020

Navigation: 0.020

Special: 0.020

Computers: 1

Type: Daystrom Duotronic IIx

Shield Rating:

Holdoff Power: 3.24×10^8

Refresh Rate: 9.21×10^7

Shield Dimensions (Meters)

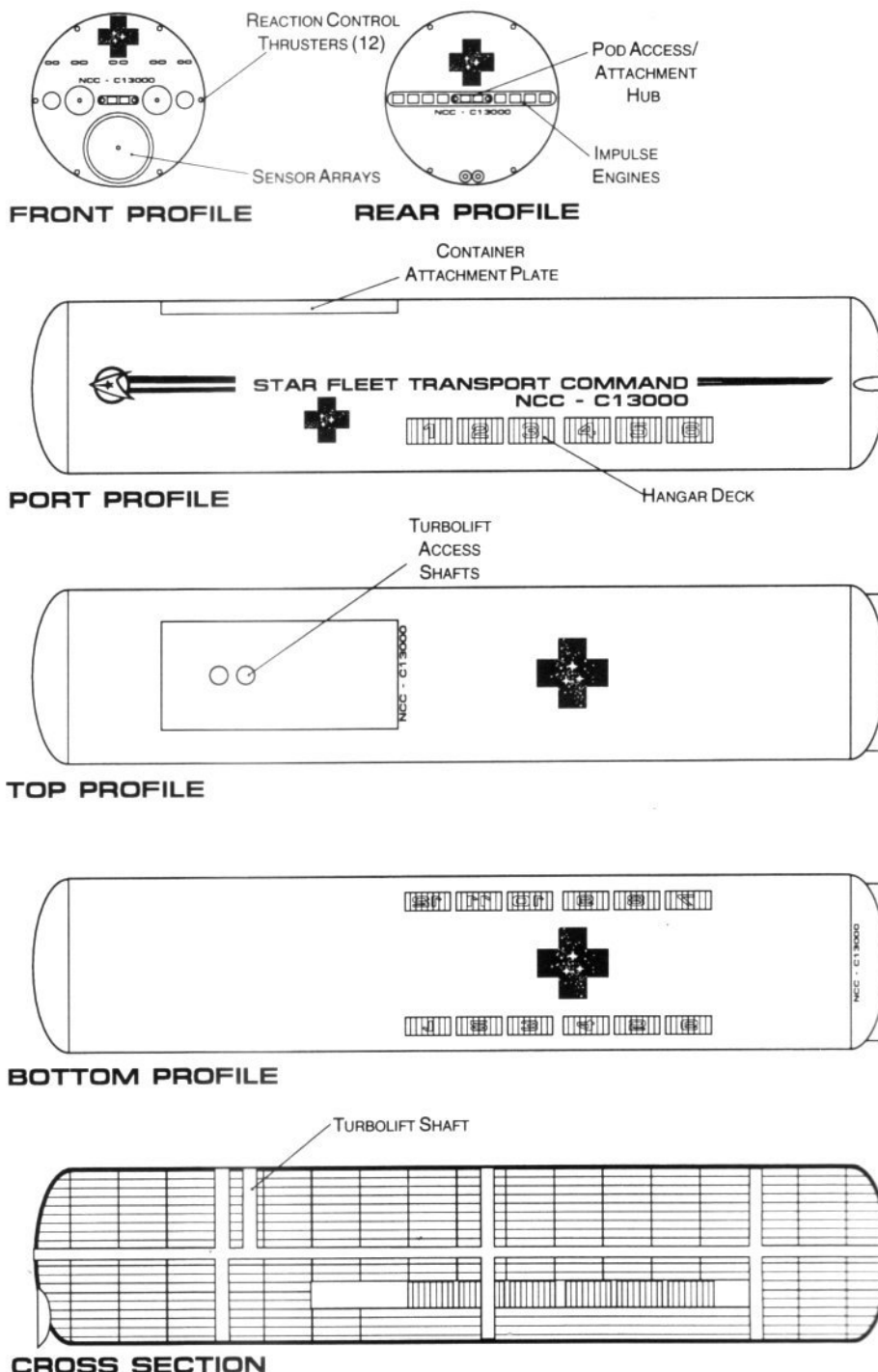
Length: 282.01m

Width: 57.6m

Height: 57.6m

General Information

The Medical Container is a independent mobile medical facility providing support and emergency medical care throughout the Federation. The container is also equipped with a twelve-bay hangar deck used for patient transfer.



METERS
0 10 20 30 40 50
SCALE 1:2000



TENDER CONTAINER

General Information

The Tender container carries parts and repair facilities normally to large or obscure to be included in a starships inventory. When attached to a container tug this facility can get to stranded vessels and replace their warp core or repair hull breaches before it has to be abandoned. Starfleet has saved much time and money with this system.

Statistics

Classification: Container
Category: Tender Container
Type: Class 7
Model: MK-XVI
Dimensions:
Overall Dimensions (Meters)
 Length: 235.05m
 Width: 48.00m
 Height: 48.00m
Displacement (Metric Tons)
 Standard: 235,347mt
 Full Load: 347,442mt
Duration (Years)
 Standard: 15 Years
 Maximum: 20 Years
Std. Container Complement: 115
Officers: 15
Crew (Ensign Grade): 100
Passengers: 30
Emergency condition: +200
Medical Facilities:
 Doctors: 2
 Nurses: 8
 Operating Rooms: 3
 Beds: 10
Transporters Total: 12
 1 Person: 0
 2 Person: 0
 6 Person: 4
 12 Person: 2
 22 Person: 0
 Small Cargo: 0
 Medium Cargo: 4
 Large Cargo: 2
 Super Cargo: 0
 Mega Cargo: 0
Tractor Beams: 0
 Tow Capacity: 1.25x10⁶mt
 Max. Range: 2.51x10³km
Cargo Specification:
 Standard Cargo Units: 150
 Cargo Capacity: 7,500 mt
 Deck Height: 2.4 m
Shuttlecraft Specifications:
 Shuttlecraft Bays Total: 3
 Small Bay: 0
 Medium Bay: 1
 Large Bay: 2
 Super Bay: 0
 Shuttlecraft Standard: 13
 Work Bees: 2
 Travel Pods: 1
 Light Shuttle: 1
 Standard Shuttle: 2
 Passenger Shuttle: 1
 Light Cargo Shuttle: 2
 Cargo Shuttle: 2
 Heavy Cargo Shuttle: 2
 Lifeboats: 7
 Turbolift (8 person): 5
 Lifeboat (10 person): 0
 Lifeboat (20 person): 2
 Lifeboat (30 person): 0
 Docking Rings: 2
Sensor Input Values:
 Planetary Survey: 0.020
 Short Range: 0.020
 Long Range: 0.020
 Navigation: 0.020
 Special: 0.020
Computers: 1
 Type: Daystrom Duotronic II/2
Shield Rating:
 Holdoff Power 3.24E8
 Refresh Rate: 9.21E7
Shield Dimensions (Meters)
 Length: 282.01m
 Width: 57.6m
 Height: 57.6m

POD ACCESS/
ATTACHMENT
HUB

REACTION CONTROL
THRUSTERS (12)

SENSOR ARRAYS

IMPULSE
ENGINES

FRONT PROFILE

REAR PROFILE

CONTAINER
ATTACHMENT PLATE

TURBOLIFT
ACCESS
SHAFTS

HANGAR
DECK

SHUTTER
DOORS

PORT PROFILE

TOP PROFILE

BOTTOM PROFILE

TURBOLIFT
SHAFT

CROSS SECTION

METERS
0 10 20 30 40 50
SCALE 1:2000

DELIVERANCE CLASS

FEDERATION CONTAINER



SPACE STATIONS

GENERAL INFORMATION

FEDERATION FACILITY

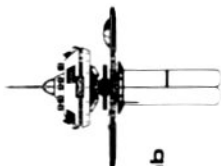
Size Comparison



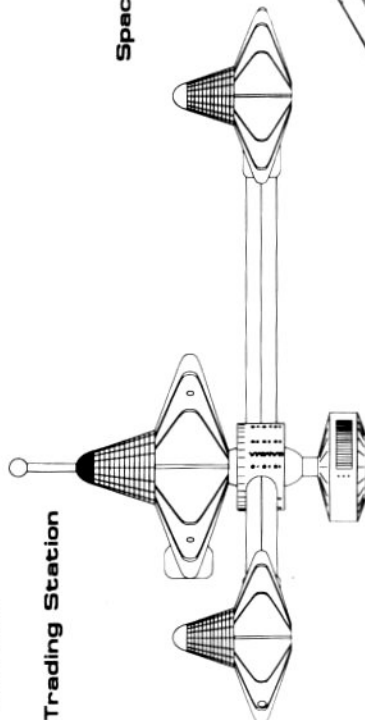
Communication Station



Spacelab



Trading Station



Spacedock



METERS
0 100 200 300
SCALE 1:6200

COMMUNICATION STATION



General Information

Specific Role: The primary mission of the Communication Station is the relaying and boosting of Federation communications. The station is also able to monitor communications and signals, letting it fulfill its secondary mission as a monitoring facility. Often the relay locations are set up in close proximity to hostile zones as listening posts while still fulfilling their role within the Federation communication network.

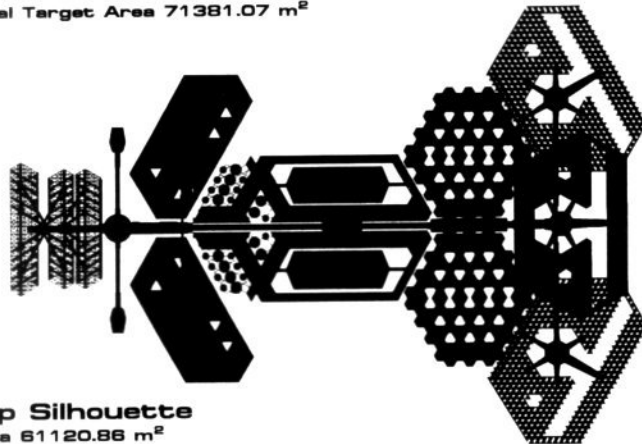
Physical Description: The standard Communication Station has 42 antennas making up 11 communication arrays: the (CA-254/8146) ϕ Array which has 2 antennas covers the 10^{-2} - 10^1 Hz frequency range, the (CA-138/8008) ξ Array which has 1 antenna covers the 10^5 - 10^7 Hz frequency range, the (CA-995/7995) λ Array which has 2 antennas covers the 10^1 - 10^3 Hz frequency range, the (CA-956/6492) ϵ Array which has 2 antennas covers the 10^3 - 10^4 Hz frequency range, the (CA-894/4118) ω Array which has 2 antennas covers the 10^4 - 10^5 Hz frequency range, the (CA-256/2401) α Array which has of 1 antenna covers the 10^9 - 10^{11} Hz frequency range, the (CA-71/2248) θ Array which has 2 antennas covers the 10^7 - 10^9 Hz frequency range, the (CA-134/2187) β Array which has 1 antenna covers the 10^{13} - 10^{15} Hz frequency range, the (CA-78/2187) χ Array which has 1 antenna covers the 10^{11} - 10^{13} Hz frequency range, the (CA-152/71) γ Array which has 2 antennas covers the 10^{15} - 10^{18} Hz frequency range, and the (CA-21/24) ϕ Array which has 16 antennas covers the 10^{18} - 10^{22} Hz frequency range. The antennas are supported by a (SS438/S-C34) spine which houses the support equipment and living quarters for the facility. Located below the spine is the (SH48/S-S2) engineering section which contains the (M8/4-2C) intermix chamber and (AM8/48-4E) matter/antimatter storage tanks. These tanks are located towards the lower rear of the engineering section for emergency jettisoning. Located above the spine is the (SH22/C-S1) command section which contains the command/control and communication equipment. Positioned to each side of the spine are two (SH36/H-S5) small hangar decks located away from the sensor arrays.

Class Emblem



Facility Silhouettes

Total Target Area 71381.07 m²



Top Silhouette
Area 61120.86 m²



Port Silhouette
Area 5786.96 m²

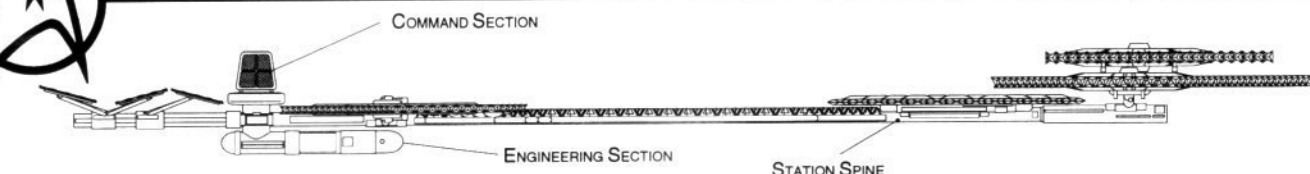


Front Silhouette
Area 4473.25 m²

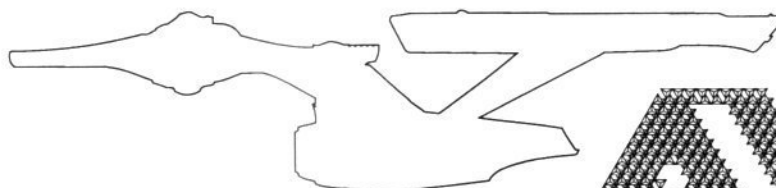


COMMUNICATION STATION

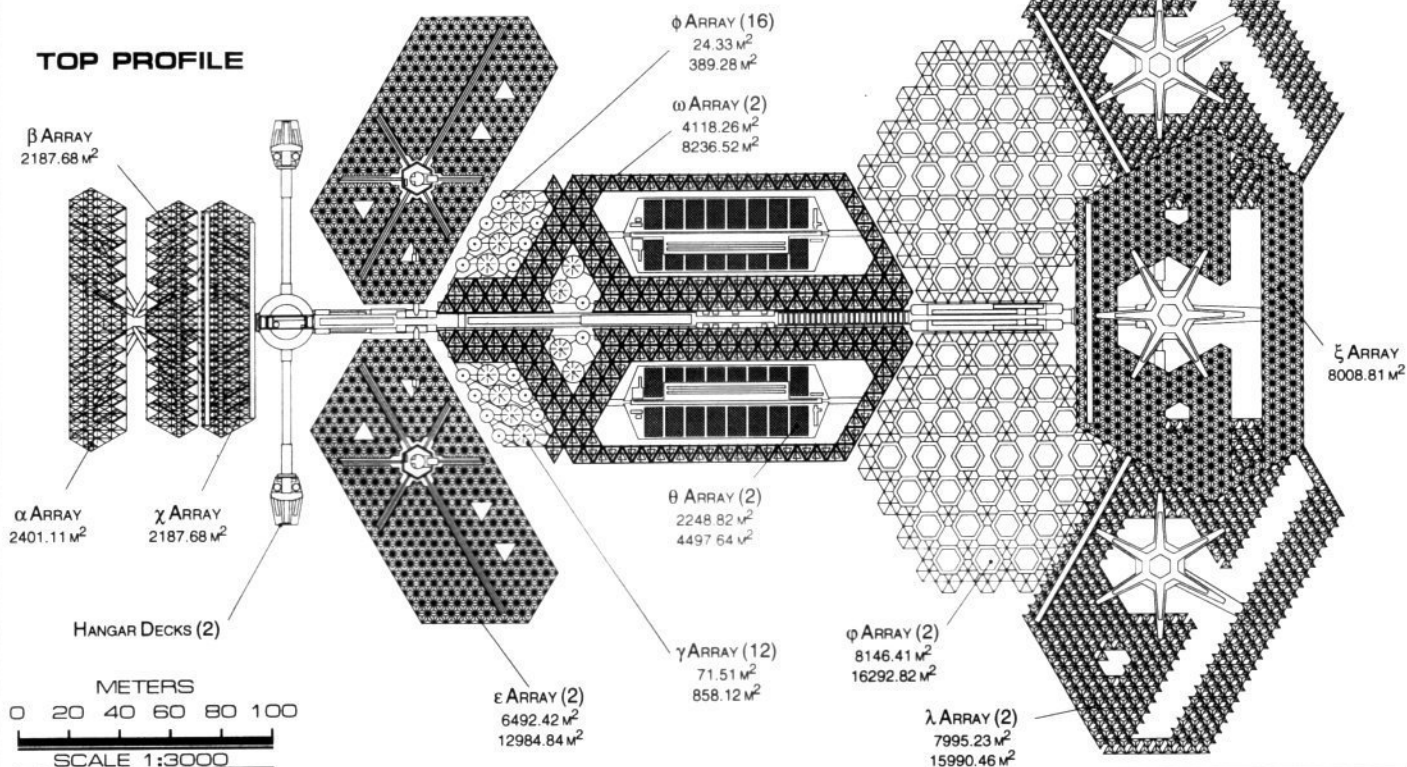
EPSILON CLASS



PORT PROFILE



TOP PROFILE



Statistics

Classification: Communication Station

Category: Space Station

Class: Epsilon

Type: Class 3

Model: Type E

Naval Construction Contract: E-1

Number Proposed: 98

Number Constructed: 98

Number in Service: 96

Number Lost: 2

Dimensions:

Overall Dimensions (Meters)

Length: 506.81m

Width: 347.41m

Height: 42.55m

Displacement (Metric Tons)

Light: 342,794mt

Standard: 367,264mt

Full Load: 409,985mt

Performance:

Secondary Reactor Output: 9.5×10^{13} W

Primary Reactor Output: 2.4×10^{15} W

Duration (Years)

Standard: 10 Years

Maximum: 40 Years

Std. Ships Complement: 539

Officers: 6

Crew (Ensign Grade): 31

Troops: 0

Passengers: 15

Emergency condition: +120

Medical Facilities:

Doctors: 2

Nurses: 5

Operating Rooms: 2

Beds: 5

Laboratories: 1

Transporters Total: 3

1 Person: 0

2 Person: 0

6 Person: 2

12 Person: 0

22 Person: 0

Small Cargo: 1

Medium Cargo: 0

Large Cargo: 0

Super Cargo: 0

Brigs: 2

Replicators: 8

Tractor Beams: 1

Tow Capacity: 1.88×10^6 mt

Max Range: 9.39×10^5 km

Cargo Specification:

Standard Cargo Units: 40

Cargo Capacity: 2,000mt

Shuttlecraft Specifications:

Docking Ports: 2

Shuttlecraft Bays Total: 2

Small Bay: 2

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 12

Work Bees: 6

Travel Pods: 1

Aquatic Shuttle: 0

Light Shuttle: 1

Standard Shuttle: 4

Heavy Shuttle: 0

Cargo Shuttle: 0

Assault Shuttle: 0

Killer Bees: 0

Fighter: 0

Heavy Fighter: 0

Lifeboats: 10

Turbolift (8 person): 6

Lifeboat (10 person): 3

Lifeboat (20 person): 1

Lifeboat (30 person): 0

Computers: 2

Type: Daystrom Duotronic III:c

Type: Daystrom Duotronic III:h

Shield Rating:

Holdoff Power: 2.88×10^{12} W

Refresh Rate: 8.20×10^{11} W

Breakdown Rate: 9.84×10^{11} W

Shield Dimensions (Meters)

Length: 608.17m

Width: 416.89m

Height: 53.21m

Weapons:

Beam (Phasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Torpedoes (Photon) Total: 0

Stock: N/A

Range: N/A

Output: N/A

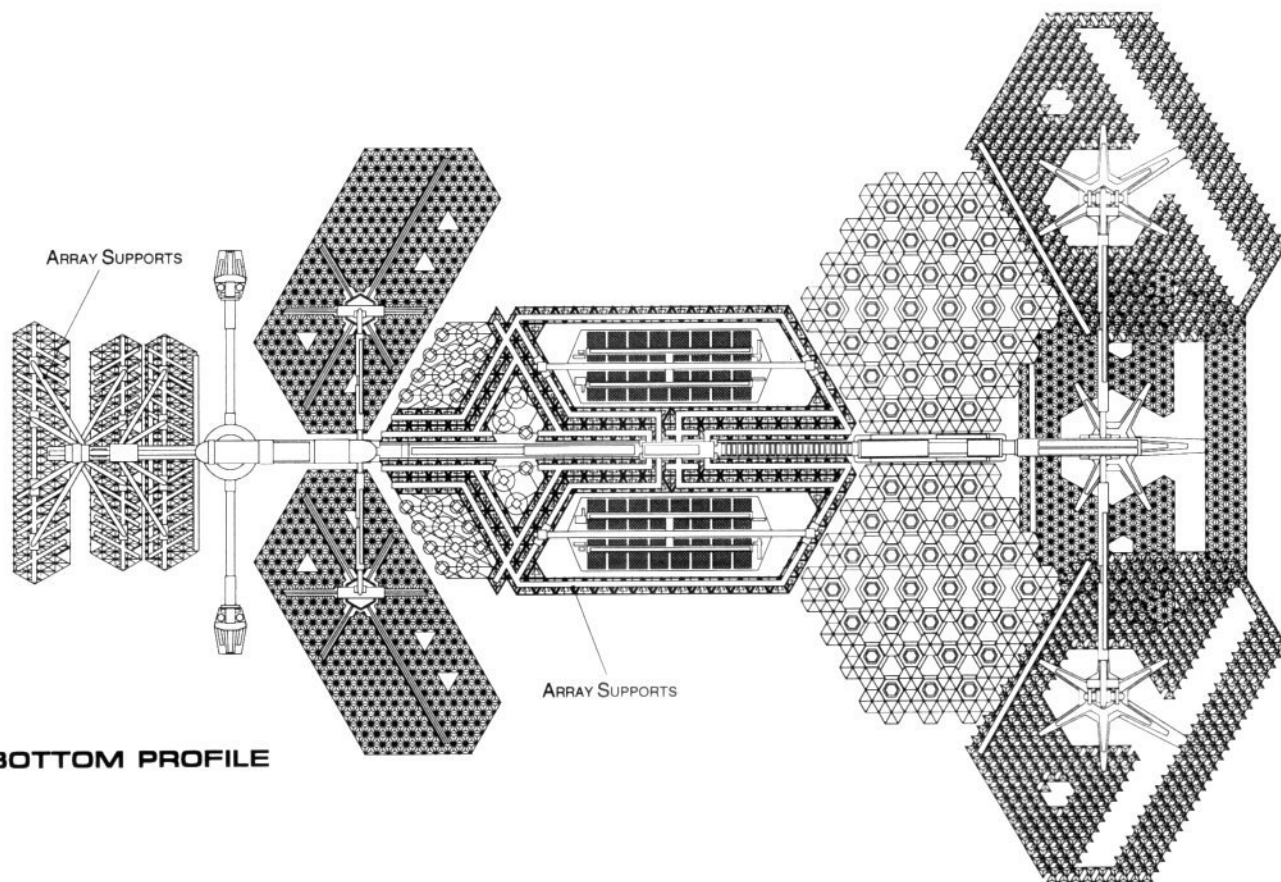
Rate of Fire: N/A

FEDERATION FACILITY

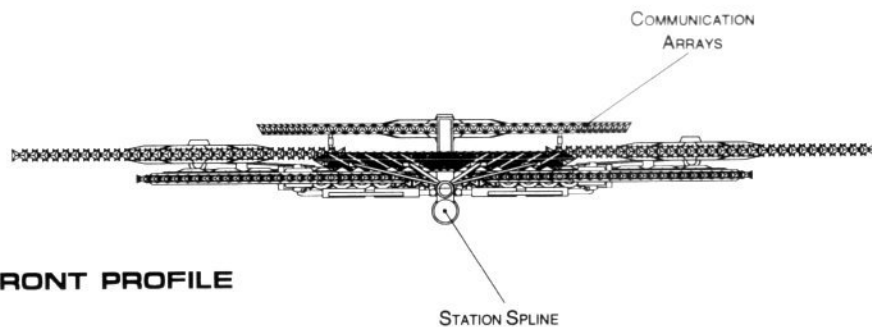
COMMUNICATION STATION



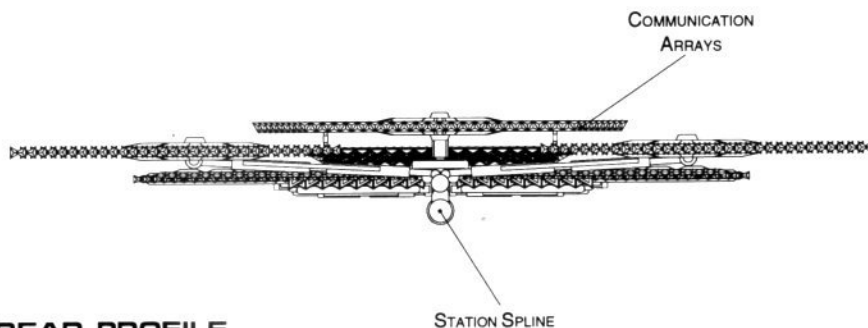
EPSILON CLASS



BOTTOM PROFILE



FRONT PROFILE



REAR PROFILE

METERS
0 10 20 30 40 50
SCALE 1:2000

FEDERATION FACILITY



COMMUNICATION STATION

Facility Names

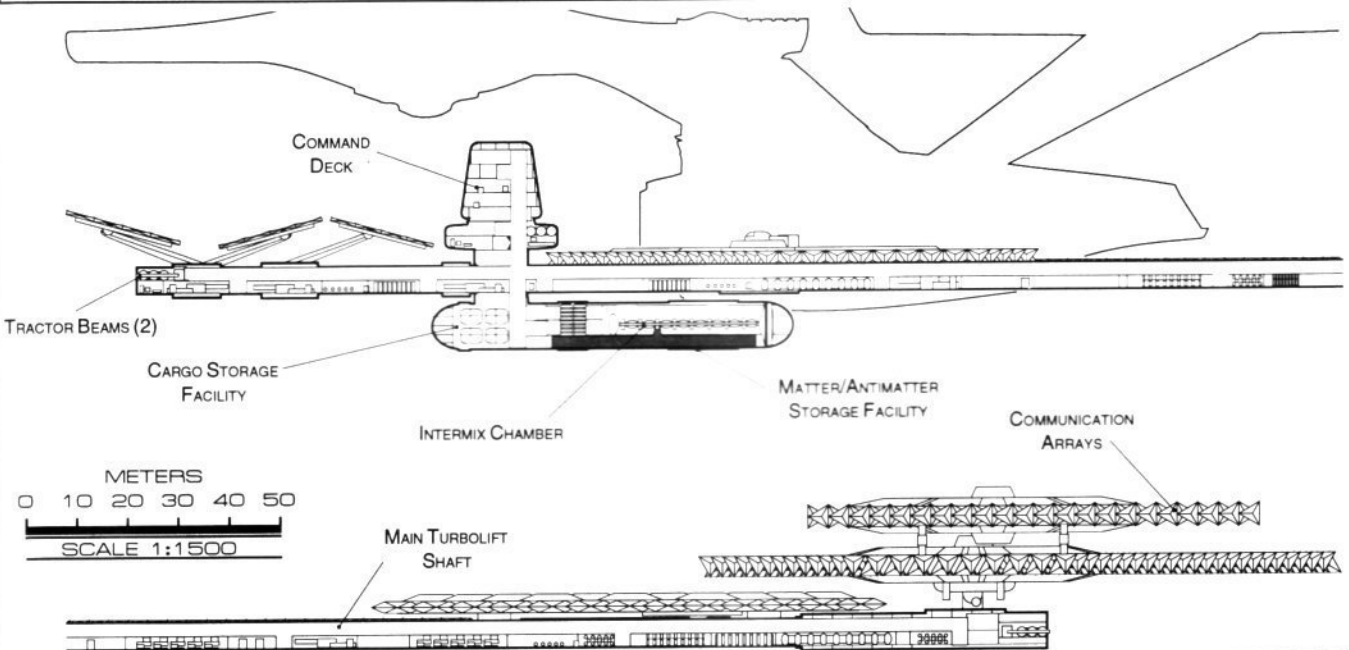
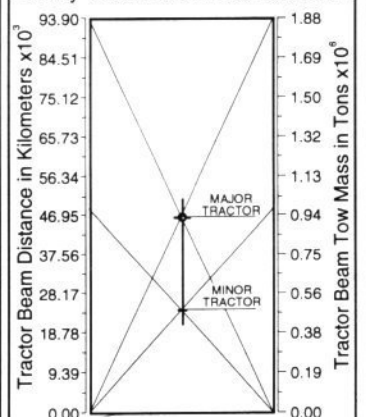
THE FOLLOWING FACILITIES OF THE TYPE E CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2260.4

EPSILON - 1 •E-1*	EPSILON - 26 •E-26	EPSILON - 51 •E-51	EPSILON - 76 •E-76
EPSILON - 2 •E-2	EPSILON - 27 •E-27	EPSILON - 52 •E-52	EPSILON - 77 •E-77**
EPSILON - 3 •E-3	EPSILON - 28 •E-28	EPSILON - 53 •E-53	EPSILON - 78 •E-78
EPSILON - 4 •E-4	EPSILON - 29 •E-29	EPSILON - 54 •E-54	EPSILON - 79 •E-79
EPSILON - 5 •E-5	EPSILON - 30 •E-30	EPSILON - 55 •E-55	EPSILON - 80 •E-80
EPSILON - 6 •E-6	EPSILON - 31 •E-31	EPSILON - 56 •E-56	EPSILON - 81 •E-81
EPSILON - 7 •E-7	EPSILON - 32 •E-32	EPSILON - 57 •E-57	EPSILON - 82 •E-82
EPSILON - 8 •E-8	EPSILON - 33 •E-33	EPSILON - 58 •E-58	EPSILON - 83 •E-83
EPSILON - 9 •E-9	EPSILON - 34 •E-34	EPSILON - 59 •E-59	EPSILON - 84 •E-84
EPSILON - 10 •E-10	EPSILON - 35 •E-35	EPSILON - 60 •E-60	EPSILON - 85 •E-85
EPSILON - 11 •E-11	EPSILON - 36 •E-36	EPSILON - 61 •E-61	EPSILON - 86 •E-86
EPSILON - 12 •E-12	EPSILON - 37 •E-37	EPSILON - 62 •E-62	EPSILON - 87 •E-87
EPSILON - 13 •E-13	EPSILON - 38 •E-38	EPSILON - 63 •E-63	EPSILON - 88 •E-88
EPSILON - 14 •E-14	EPSILON - 39 •E-39	EPSILON - 64 •E-64	EPSILON - 89 •E-89
EPSILON - 15 •E-15	EPSILON - 40 •E-40	EPSILON - 65 •E-65	EPSILON - 90 •E-90
EPSILON - 16 •E-16	EPSILON - 41 •E-41	EPSILON - 66 •E-66	EPSILON - 91 •E-91**
EPSILON - 17 •E-17	EPSILON - 42 •E-42	EPSILON - 67 •E-67	EPSILON - 92 •E-92
EPSILON - 18 •E-18	EPSILON - 43 •E-43	EPSILON - 68 •E-68	EPSILON - 93 •E-93
EPSILON - 19 •E-19	EPSILON - 44 •E-44	EPSILON - 69 •E-69	EPSILON - 94 •E-94
EPSILON - 20 •E-20	EPSILON - 45 •E-45	EPSILON - 70 •E-70	EPSILON - 95 •E-95
EPSILON - 21 •E-21	EPSILON - 46 •E-46	EPSILON - 71 •E-71	EPSILON - 96 •E-96
EPSILON - 22 •E-22	EPSILON - 47 •E-47	EPSILON - 72 •E-72	EPSILON - 97 •E-97
EPSILON - 23 •E-23	EPSILON - 48 •E-48	EPSILON - 73 •E-73	EPSILON - 98 •E-98
EPSILON - 24 •E-24	EPSILON - 49 •E-49	EPSILON - 74 •E-74	
EPSILON - 25 •E-25	EPSILON - 50 •E-50**	EPSILON - 75 •E-75	

*CLASS FACILITY. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH UFP

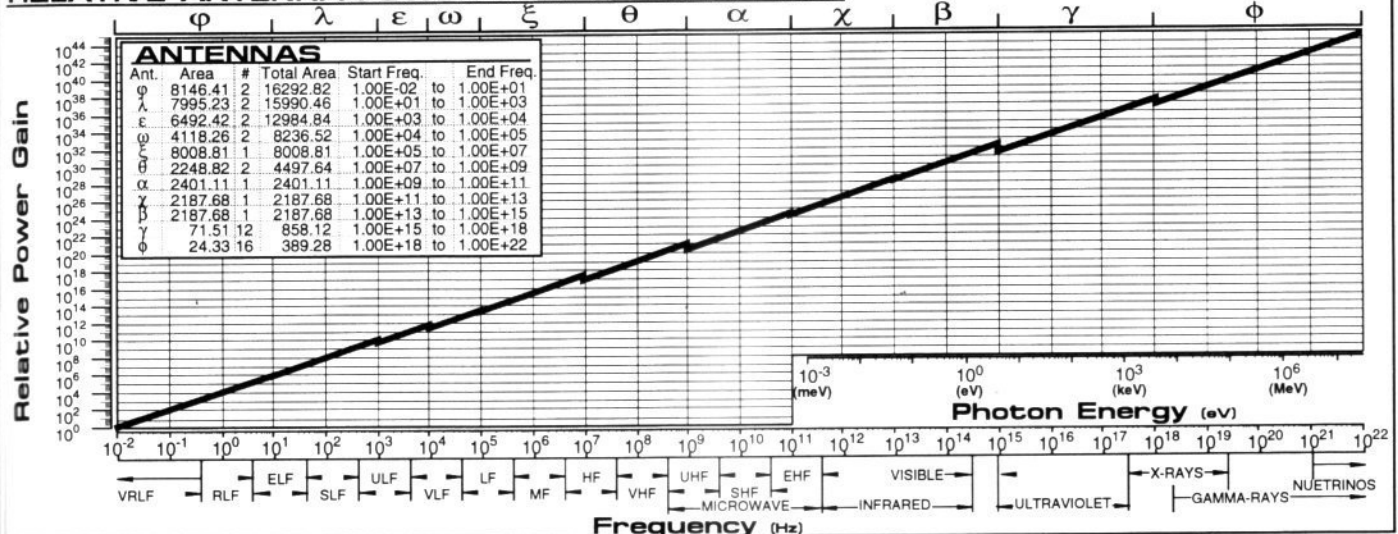
Tractor Beam Specifications

Primary Tractor Beam Load Calculator



CROSS SECTION
ENLARGED FOR CLARITY

RELATIVE ANTENNA POWER GAIN VS FREQUENCY



TRADING STATION

General Information

Specific Role: Trading Stations are designed for extensive cargo handling and to provide recreational facilities for passing ships. Cargo handling and transshipping facilities at remote locations enhance vital trade routes throughout the Federation. Comprehensive recreational facilities are provided for the relaxation of the crews of various species during cargo transfers and lay overs.

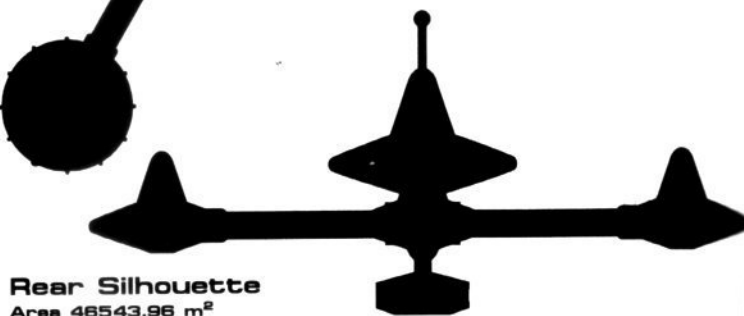
Physical Description: The Trading Post consists of a central hub and three exterior habitats which are attached radially by connecting arms. The central hub is made up of three sections: the (SS728/T-S2) main hub, the (SS432/T-S9) connecting hub, and the (SS412/T-S5) hangar deck. The main hub contains the communication array, administration and botanical sections, living quarters, recreational facilities, and engineering section. Situated inside the engineering section is an (M30/8-2E) intermix chamber and (AM8/48-4K) matter/antimatter storage tanks. The tanks are located along the outer hull of the engineering section for emergency jettisoning. The connecting hub contains the main cargo storage facility and 27 exterior docking ports. The hangar deck is designed to accommodate a large number of shuttlecraft, both conventional and non-conventional. Each (DU/587-555C) connecting arm contains extensive living quarters. Each (SS538/T-A3) exterior section (Alpha, Beta and Gamma) contains additional living quarters, recreational facilities, and cargo storage and handling facilities.

Class Emblem



Facility Silhouettes

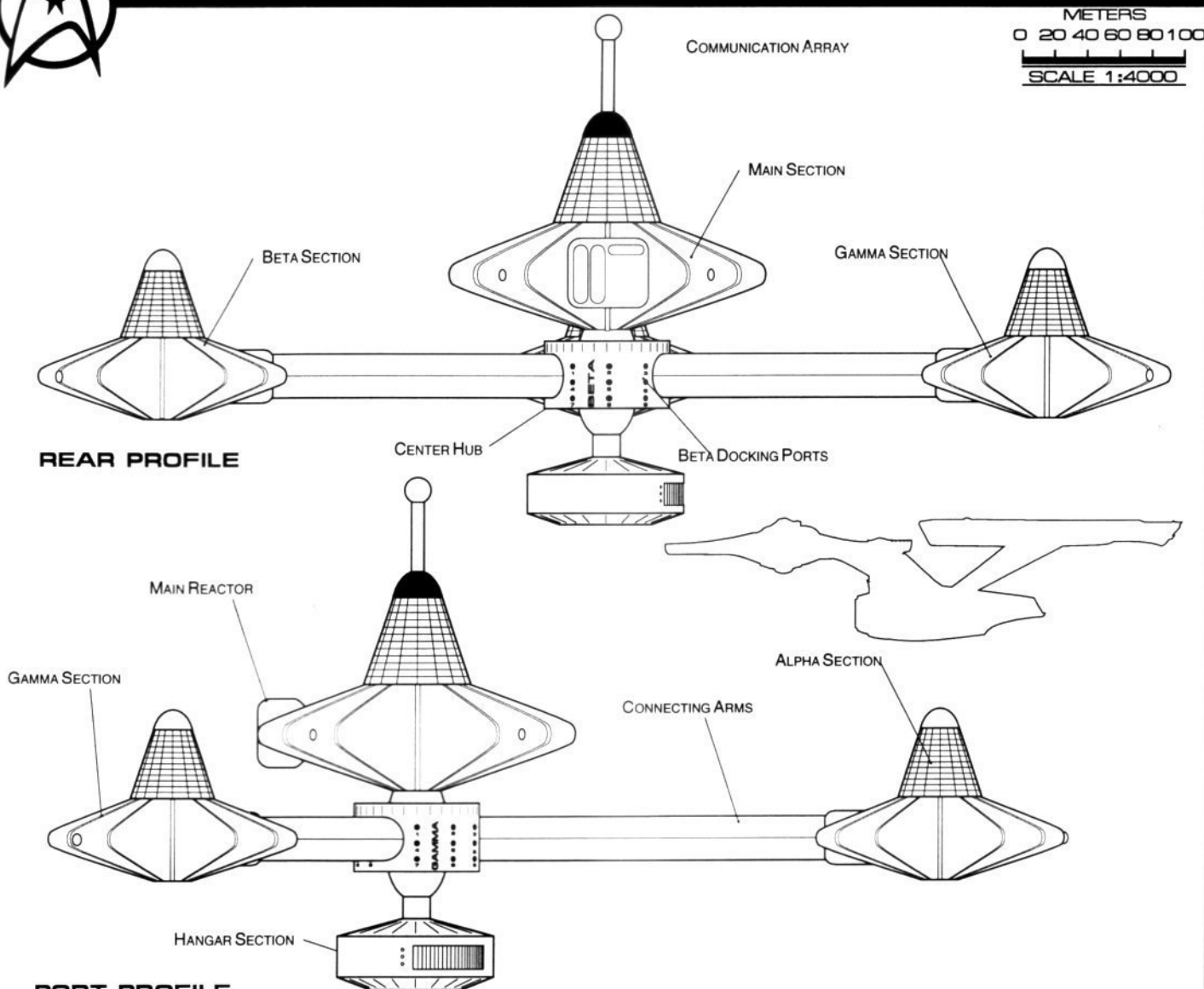
Total Target Area 183191.96 m²





TRADING STATION

KEPLER CLASS



PORT PROFILE

Statistics

Classification: Trading Station

Category: Space Station

Class: Kepler

Type: Class 3

Model: Type K

Naval Construction Contract: K-1

Number Proposed: 96

Number Constructed: 96

Number in Service: 96

Number Lost: 0

Dimensions:

Overall Dimensions (Meters)

Length: 634.43m

Width: 704.80m

Height: 318.31m

Displacement (Metric Tons)

Light: 645,829mt

Standard: 691,932mt

Full Load: 772,418mt

Performance:

Secondary Reactor Output: 7.5×10^{13} W

Primary Reactor Output: 1.2×10^{15} W

Duration (Years)

Standard: 10 Years

Maximum: 40 Years

Std. Ships Complement: 1130

Officers: 192

Crew (Ensign Grade): 938

Troops: 0

Passengers: 400

Emergency condition: +400

Medical Facilities:

Doctors: 8

Nurses: 42

Operating Rooms: 8

Beds: 42

Laboratories: 8

Transporters Total: 22

1 Person: 0

2 Person: 2

6 Person: 8

12 Person: 0

22 Person: 4

Small Cargo: 4

Medium Cargo: 4

Large Cargo: 0

Super Cargo: 0

Brigs: 32

Replicators: 21

Tractor Beams: 2

Tow Capacity: 3.65×10^6 mt

Max Range: 1.45×10^6 km

Cargo Specification:

Standard Cargo Units: 3245

Cargo Capacity: 162,250mt

Shuttlecraft Specifications:

Docking Ports: 27

Shuttlecraft Bays Total: 1

Small Bay: 0

Medium Bay: 1

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 30

Work Bees: 2

Travel Pods: 2

Aquatic Shuttle: 0

Light Shuttle: 4

Standard Shuttle: 12

Heavy Shuttle: 2

Cargo Shuttle: 8

Assault Shuttle: 0

Killer Bees: 0

Fighter: 0

Heavy Fighter: 0

Lifeboats: 76

Turbolift (8 person): 52

Lifeboat (10 person): 8

Lifeboat (20 person): 8

Lifeboat (30 person): 8

Computers: 2

Type: Daystrom Duotronic III:z

Type: Daystrom Duotronic II:h

Shield Rating:

Holdoff Power: 5.42×10^{12} W

Refresh Rate: 9.35×10^{11} W

Breakdown Rate: 1.12×10^{11} W

Shield Dimensions (Meters)

Length: 761.32m

Width: 845.76m

Height: 381.97m

Weapons:

Beam (Phasers) Total: 6 banks 2 each

Output: 5.0×10^{11} W / 2.5×10^{11} W

Range: 2.5×10^5 km

Rate of Fire: 30 ppm / Cont.

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Torpedoes (Photon) Total: 0

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

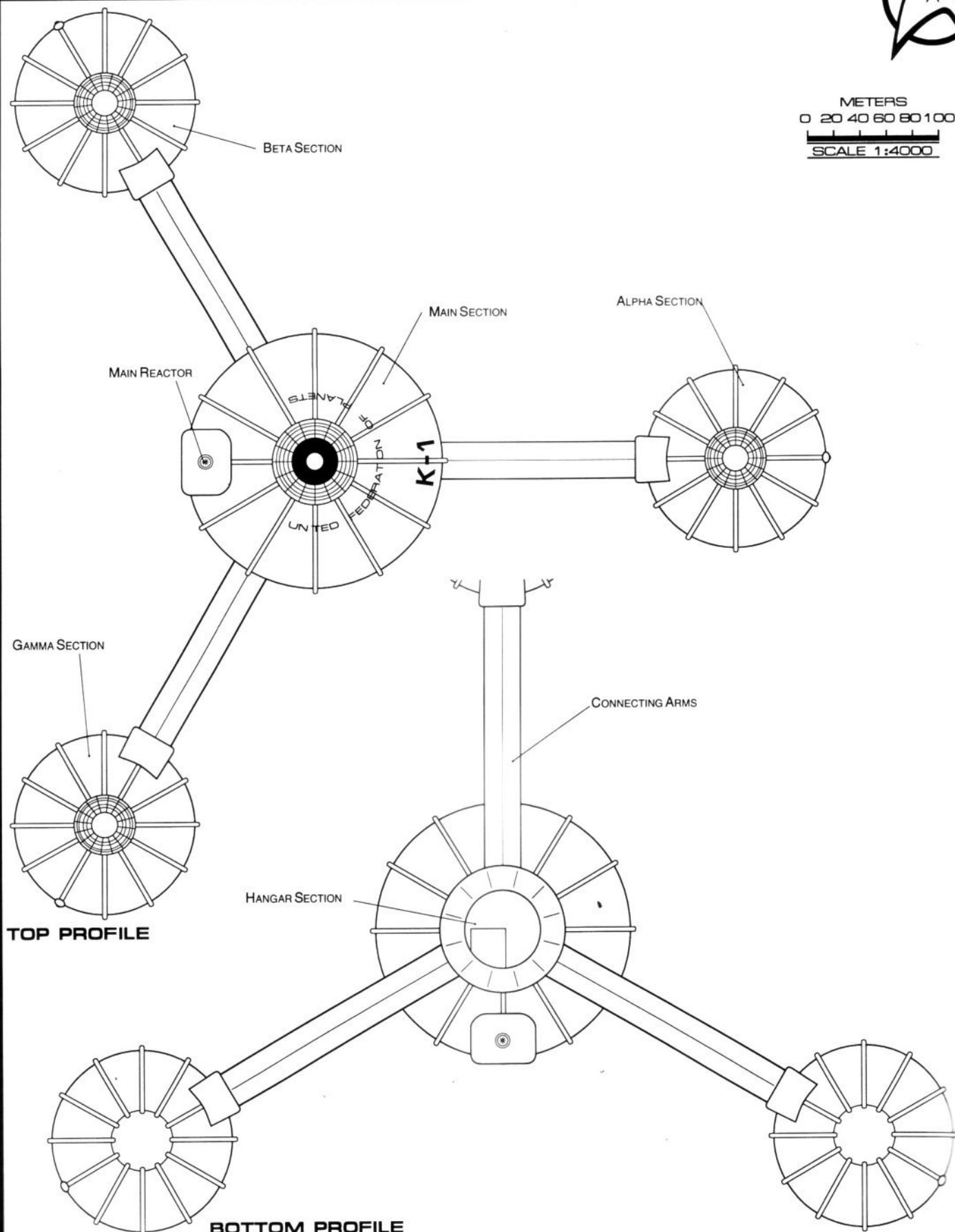
TRADING STATION



METERS
0 20 40 60 80 100
SCALE 1:4000

KEPLER CLASS

FEDERATION FACILITY





TRADING STATION

Facility Names

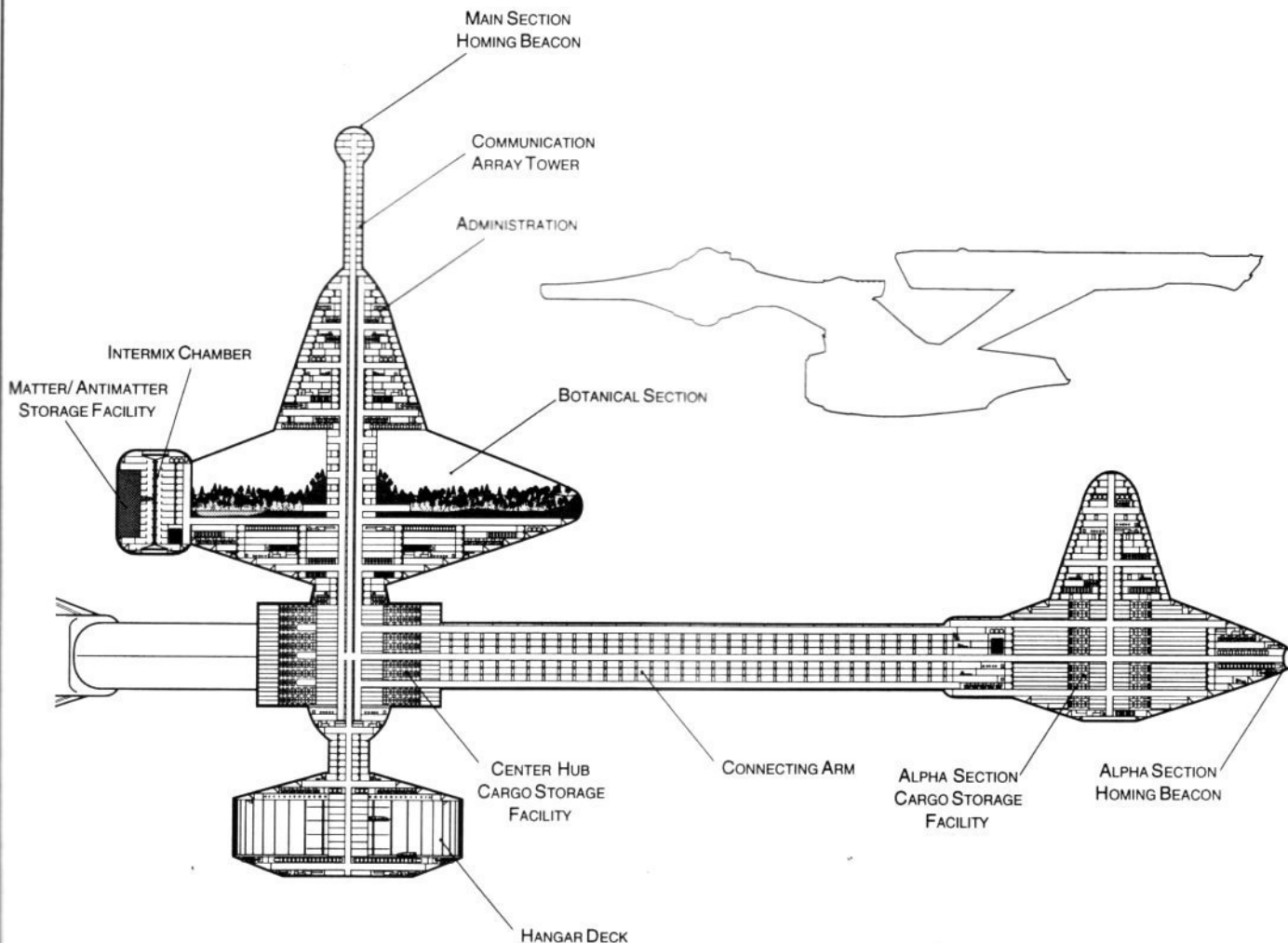
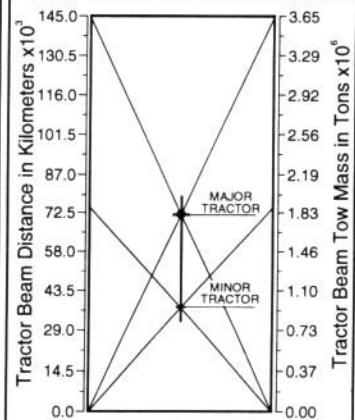
THE FOLLOWING FACILITIES OF THE TYPE K CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2262.10

KEPLER - 1 •K-1*	KEPLER - 26 •K-26	KEPLER - 51 •K-51	KEPLER - 76 •K-76
KEPLER - 2 •K-2	KEPLER - 27 •K-27	KEPLER - 52 •K-52	KEPLER - 77 •K-77
KEPLER - 3 •K-3	KEPLER - 28 •K-28	KEPLER - 53 •K-53	KEPLER - 78 •K-78
KEPLER - 4 •K-4	KEPLER - 29 •K-29	KEPLER - 54 •K-54	KEPLER - 79 •K-79
KEPLER - 5 •K-5	KEPLER - 30 •K-30	KEPLER - 55 •K-55	KEPLER - 80 •K-80
KEPLER - 6 •K-6	KEPLER - 31 •K-31	KEPLER - 56 •K-56	KEPLER - 81 •K-81
KEPLER - 7 •K-7	KEPLER - 32 •K-32	KEPLER - 57 •K-57	KEPLER - 82 •K-82
KEPLER - 8 •K-8	KEPLER - 33 •K-33	KEPLER - 58 •K-58	KEPLER - 83 •K-83
KEPLER - 9 •K-9	KEPLER - 34 •K-34	KEPLER - 59 •K-59	KEPLER - 84 •K-84
KEPLER - 10 •K-10	KEPLER - 35 •K-35	KEPLER - 60 •K-60	KEPLER - 85 •K-85
KEPLER - 11 •K-11	KEPLER - 36 •K-36	KEPLER - 61 •K-61	KEPLER - 86 •K-86
KEPLER - 12 •K-12	KEPLER - 37 •K-37	KEPLER - 62 •K-62	KEPLER - 87 •K-87
KEPLER - 13 •K-13	KEPLER - 38 •K-38	KEPLER - 63 •K-63	KEPLER - 88 •K-88
KEPLER - 14 •K-14	KEPLER - 39 •K-39	KEPLER - 64 •K-64	KEPLER - 89 •K-89
KEPLER - 15 •K-15	KEPLER - 40 •K-40	KEPLER - 65 •K-65	KEPLER - 90 •K-90
KEPLER - 16 •K-16	KEPLER - 41 •K-41	KEPLER - 66 •K-66	KEPLER - 91 •K-91
KEPLER - 17 •K-17	KEPLER - 42 •K-42	KEPLER - 67 •K-67	KEPLER - 92 •K-92
KEPLER - 18 •K-18	KEPLER - 43 •K-43	KEPLER - 68 •K-68	KEPLER - 93 •K-93
KEPLER - 19 •K-19	KEPLER - 44 •K-44	KEPLER - 69 •K-69	KEPLER - 94 •K-94
KEPLER - 20 •K-20	KEPLER - 45 •K-45	KEPLER - 70 •K-70	KEPLER - 95 •K-95
KEPLER - 21 •K-21	KEPLER - 46 •K-46	KEPLER - 71 •K-71	KEPLER - 96 •K-96
KEPLER - 22 •K-22	KEPLER - 47 •K-47	KEPLER - 72 •K-72	
KEPLER - 23 •K-23	KEPLER - 48 •K-48	KEPLER - 73 •K-73	
KEPLER - 24 •K-24	KEPLER - 49 •K-49	KEPLER - 74 •K-74	
KEPLER - 25 •K-25	KEPLER - 50 •K-50	KEPLER - 75 •K-75	

*CLASS FACILITY. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "UFP"

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



CROSS SECTION
ENLARGED FOR CLARITY

SPACEDOCK



General Information

Specific Role: Spacedocks play a multifaceted role in Federation culture. They are cities in space, research facilities, shipyards, and Federation administration hubs.

Physical Description: The Spacedock is made up of 9 vertically stacked modular sections. In the standard configuration the upper section is the (SS128K/F-A1) A1 Administration Section which provides computers, records and administration facilities. Below this is the (SS1025K/F-D1) D1 DryDock Section which provides extensive starship and shuttlecraft maintenance facilities. The DryDock is able to shelter 38 heavy cruisers. Below the DryDock is the (SS205K/F-H2) H2 Habitat Section which contains living quarters and recreational facilities. The (SS432K/F-H1) H1 Habitat Section, which contains living quarters, botanical section and recreational facilities, is directly below the H2 section. Under the H1 section, the (SS128K/F-H3) H3 Habitat Section contains additional living quarters and recreational facilities. Below this is the (SS293K/F-R2) R2 and (SS205K/F-R1) R1 Research Sections containing extensive laboratories and research facilities. Below the research sections are the communication sections: the (SS258K/F-C1) C1 Communication Section, and (SS102K/F-C2) C2 Communication Tower Section or a (SS78K/F-C3) C3 Communication Tower Section. The C1 Communication Section houses communication stations and an extensive communication resonant amplification chamber which is used for long range communications. The C2 and C3 towers are used for standard communications.

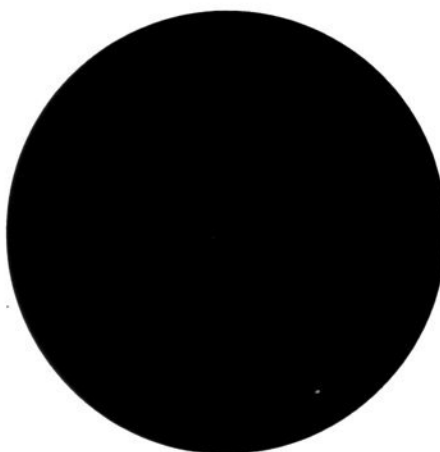
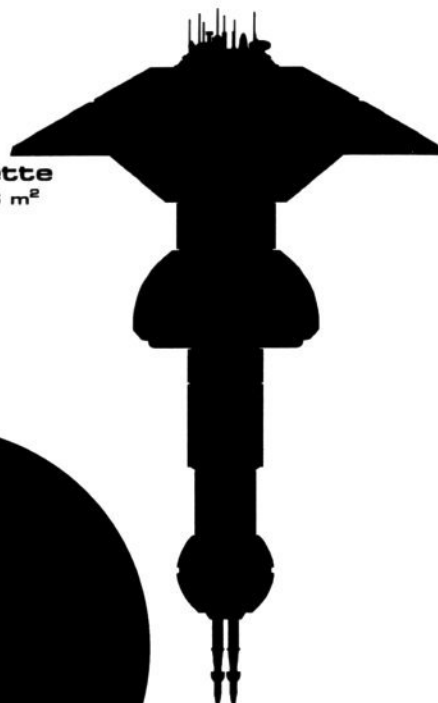
Class Emblem



Facility Silhouettes

Total Target Area 13,231,785.2 m²

Side Silhouette
Area 2,735,250.6 m²



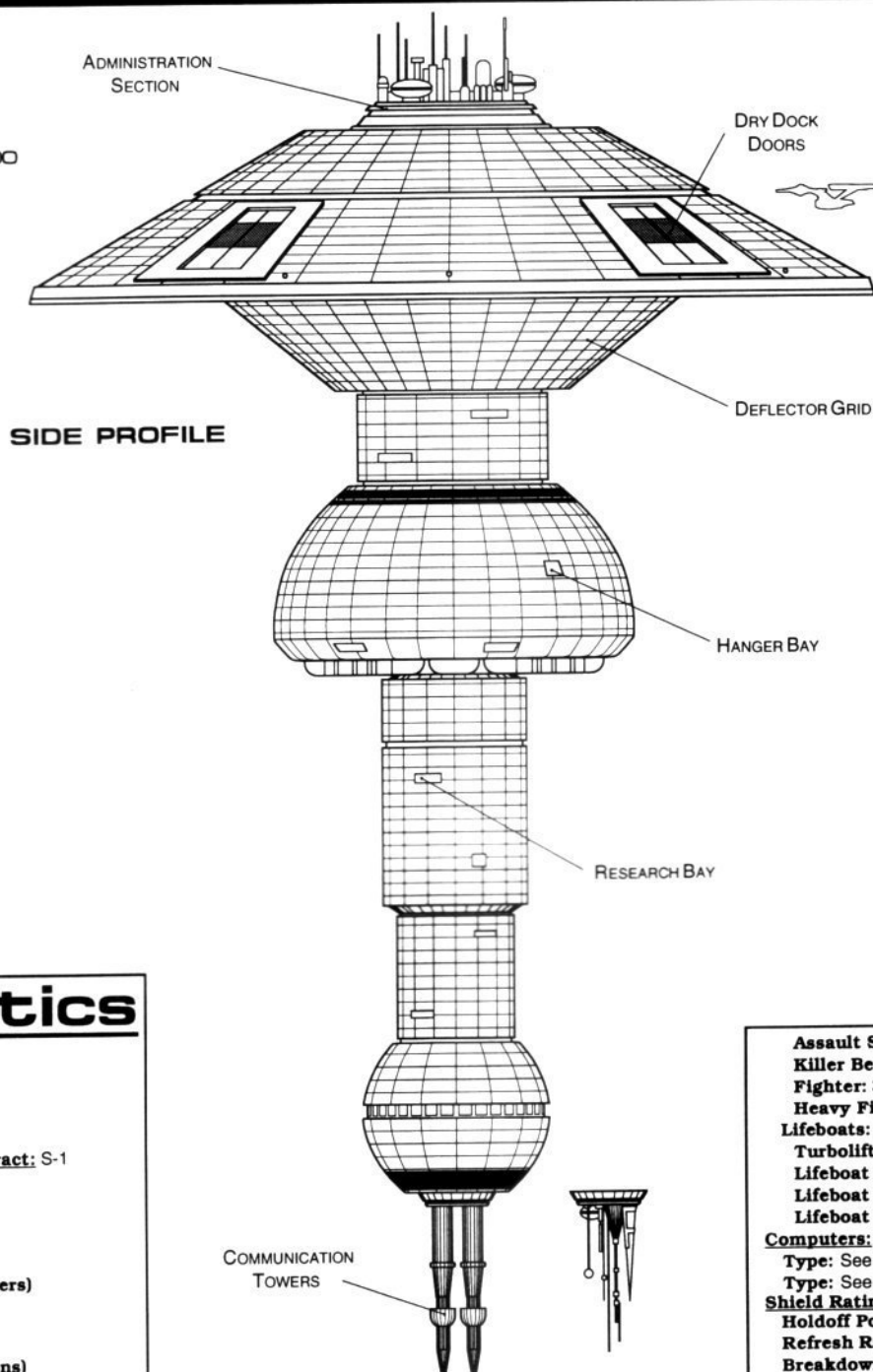
Top/Bottom Silhouettes
Area 5,248,267.3 m²



SPACEDOCK

JOURNAL CLASS

METERS
0 200 400 600
SCALE 1:22000



Statistics

Classification: Spacedock
Category: Space Station
Class: Ournal
Type: Class 3
Model: Type S
Naval Construction Contract: S-1
Number Proposed: 12
Number Constructed: 12
Number in Service: 12
Number Lost: 0

Dimensions:
Overall Dimensions (Meters)
Length: 2523.32m
Width: 2523.32m
Height: 4058.29m
Displacement (Metric Tons)
Light: 867,966,337mt
Standard: 929,927,400mt
Full Load: 1,038,096,555mt

Performance:
Secondary Reactor Output: 2.1×10^{15} W
Primary Reactor Output: 4.8×10^{16} W
Duration (Years)
Standard: 30 Years
Maximum: 70 Years
Std. Ships Complement: 101,145
Officers: 17,144
Crew (Ensign Grade): 83,701
Troops: 300
Passengers: 8,000
Emergency condition: +12,000
Medical Facilities:
Doctors: 600
Nurses: 3150
Operating Rooms: 450

Beds: 3150
Laboratories: 300
Transporters Total: 462

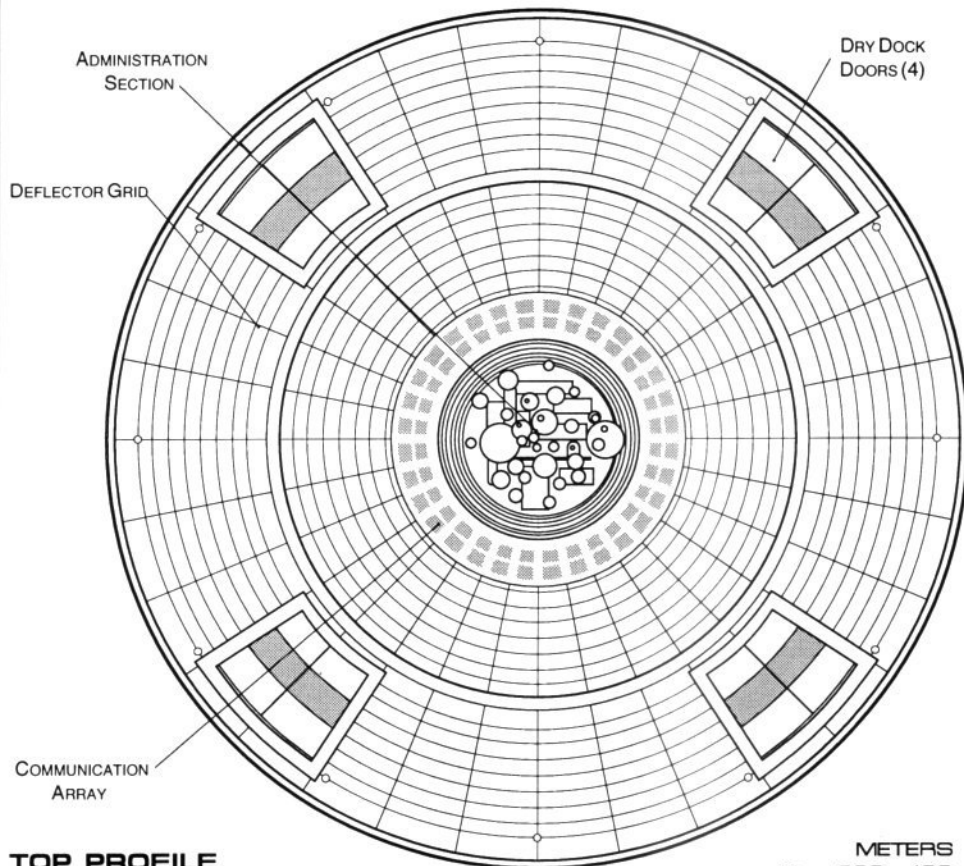
1 Person: 40
2 Person: 70
6 Person: 100
12 Person: 40
22 Person: 70
Small Cargo: 80
Medium Cargo: 60
Large Cargo: 2
Super Cargo: 0
Brigs: 602
Replicators: 1025
Tractor Beams: 8
Tow Capacity: 1.23×10^7 mt
Max Range: 9.39×10^6 km

Cargo Specification:
Standard Cargo Units: 21,354
Cargo Capacity: 1,067,700mt
Shuttlecraft Specifications:
Docking Ports: 200
Shuttlecraft Bays Total: 2
Small Bay: 70
Medium Bay: 15
Large Bay: 2
Super Bay: 1
Shuttlecraft Standard: 817
Work Bees: 95
Travel Pods: 128
Aquatic Shuttle: 23
Light Shuttle: 111
Standard Shuttle: 200
Heavy Shuttle: 40
Cargo Shuttle: 200

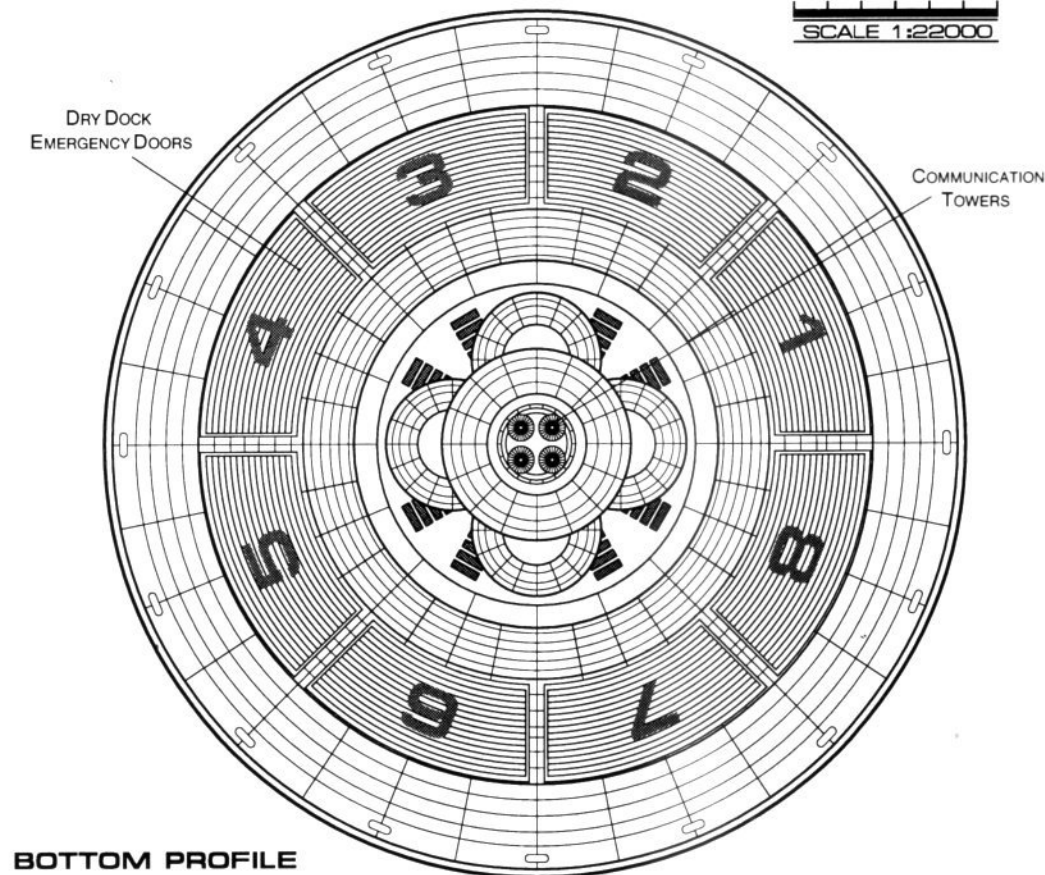
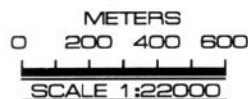
Assault Shuttle: 30
Killer Bees: 32
Fighter: 35
Heavy Fighter: 43
Lifeboats: 4821
Turbolift (8 person): 821
Lifeboat (10 person): 1000
Lifeboat (20 person): 1000
Lifeboat (30 person): 2000
Computers: 38
Type: See Design Specifications
Type: See Design Specifications
Shield Rating:
Holdoff Power: 8.65×10^{12} W
Refresh Rate: 3.21×10^{12} W
Breakdown Rate: 5.42×10^{12} W
Shield Dimensions (Meters)
Length: 3027.98m
Width: 3027.98m
Height: 4869.95m
Weapons:
Beam (Phasers) Total: 40 banks 2 each
Output: 5.0×10^{11} W / 2.5×10^{11} W
Range: 2.5×10^5 km
Rate of Fire: 30 ppm / Cont.
Beam (MegaPhasers) Total: 20
Output: 2.6×10^{12} W / 1.3×10^{12} W
Range: 1.0×10^6 km
Rate of Fire: 15 ppm / Cont.
Torpedoes (Photon) Total: 4 Bay 2 each
Stock: 400
Range: 2.0×10^5 km
Output: 10-50 Megatons
Rate of Fire: 10 spm

FEDERATION FACILITY

SPACEDOCK



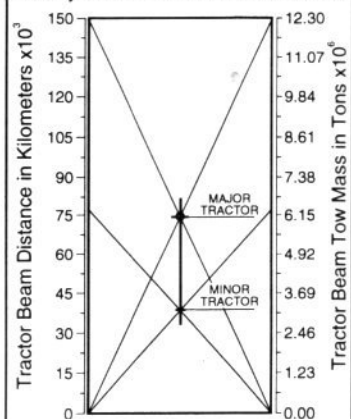
TOP PROFILE



BOTTOM PROFILE

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



Facility Names

THE FOLLOWING FACILITIES OF THE TYPE D CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2264.9

- ALPHA CENTARI PORT •S-6
- BARNARD FLAERE PORT •S-3
- MAGELLANIC PORT •S-11
- OURNAL PORT •S-1*
- PIXAR PORT •S-12
- RIGEL PORT •S-8
- STARBASE 13 •S-4
- STARBASE 34 •S-5
- STARBASE 4 •S-2
- STARBASE 52 •S-7
- STARBASE 54 •S-9
- STARBASE 79 •S-10

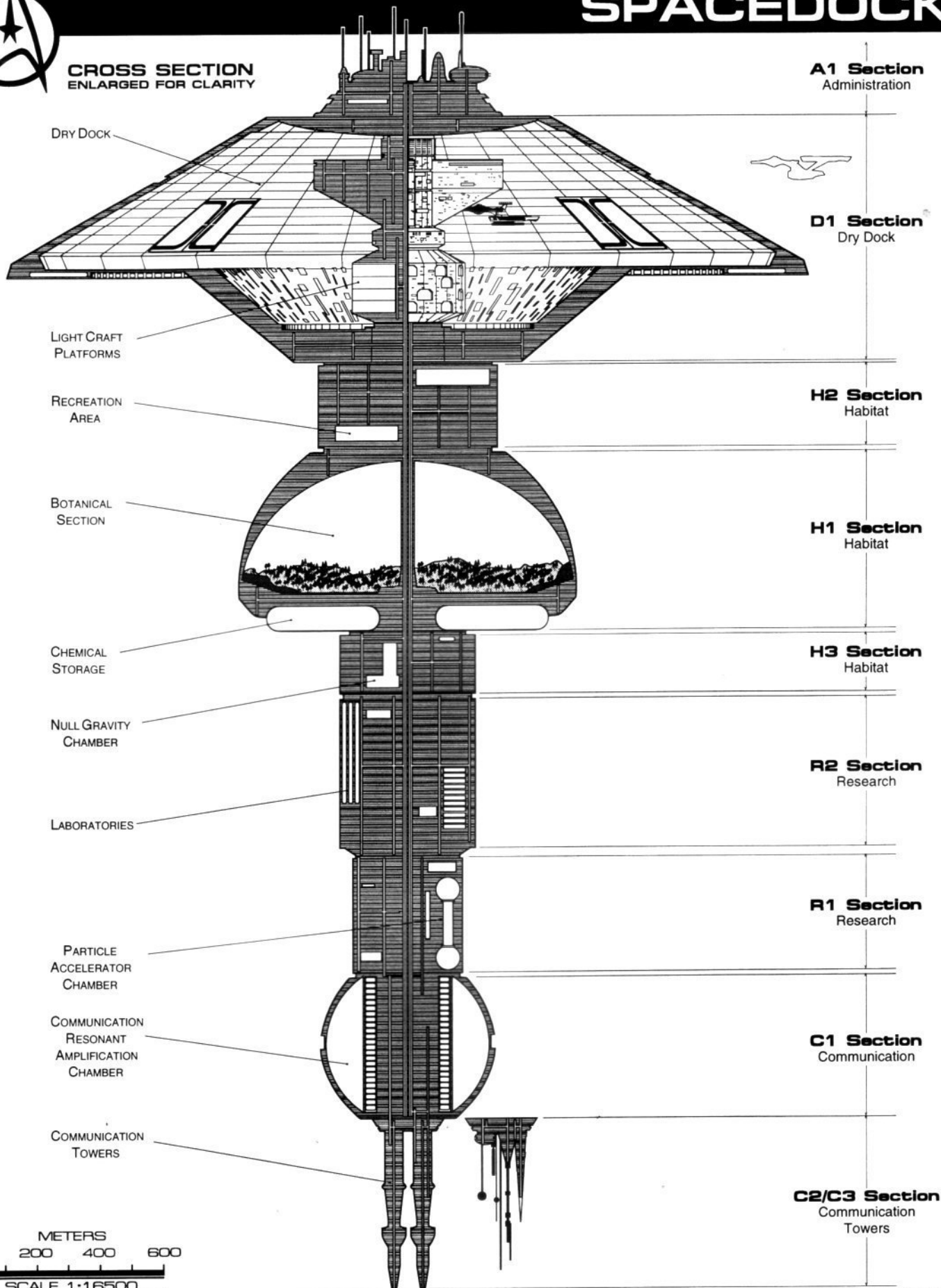
*CLASS FACILITY. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "UFF"



SPACEDOCK

JOURNAL CLASS

CROSS SECTION
ENLARGED FOR CLARITY



0 200 400 600
METERS
SCALE 1:16500

FEDERATION FACILITY

SPACELAB

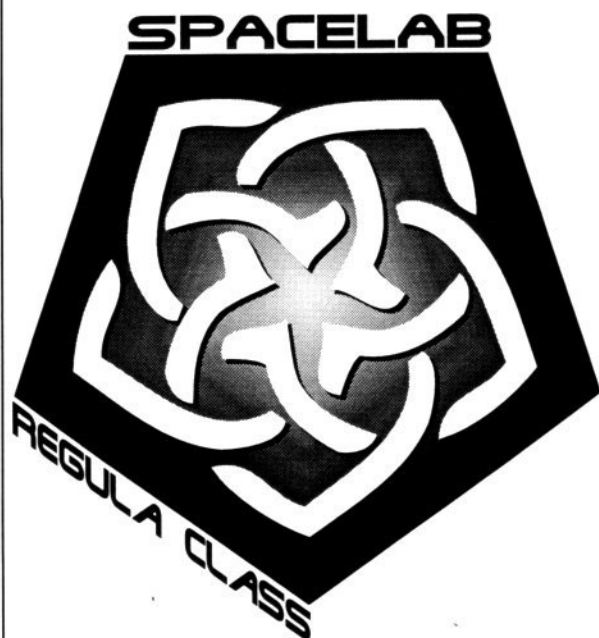


General Information

Specific Role: Spacelabs are designed for extensive on location research. The research facilities onboard spacelabs provide the Federation's scientific community with a wealth of new information. The onboard facilities are designed with versatility in mind in order to meet multiple and varied research mission requirements.

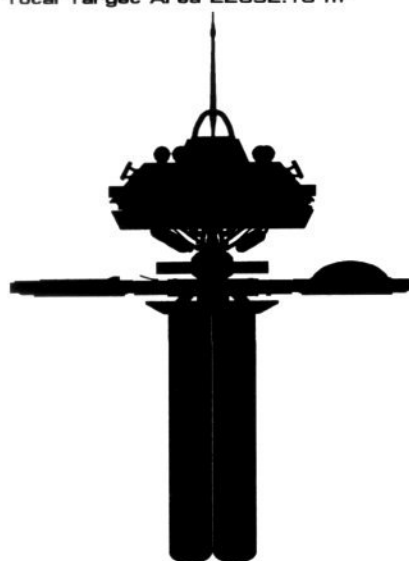
Physical Description: The Spacelab is made up of a central hub and four exterior, configurable research platforms attached underneath by a connecting ring. The central hub is comprised of three sections: the (SS325/R-S2) main section, the (SS48/R-E9) connecting ring, and the (SS298/R-C5) chemical storage facilities. In the main section the communication array, administration section, hangar deck, living quarters and main laboratory bay are all housed. The connecting ring contains the engineering section and connections to the (SS123/X-XX3) research platforms and chemical storage facilities. Inside the engineering ring is the (MT30/12-2A) toroidal intermix chamber and (AM8/48-4K) matter/antimatter storage tanks. The chemical storage facility houses the chemicals that are used by the facility.

Class Emblem



Facility Silhouettes

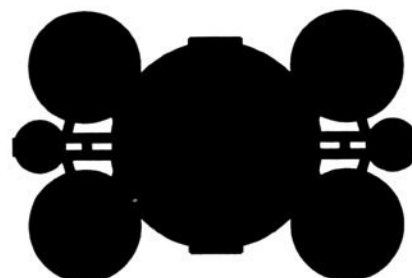
Total Target Area 22652.16 m²



Front Silhouette
Area 6282.64 m²



Port Silhouette
Area 5996.68 m²

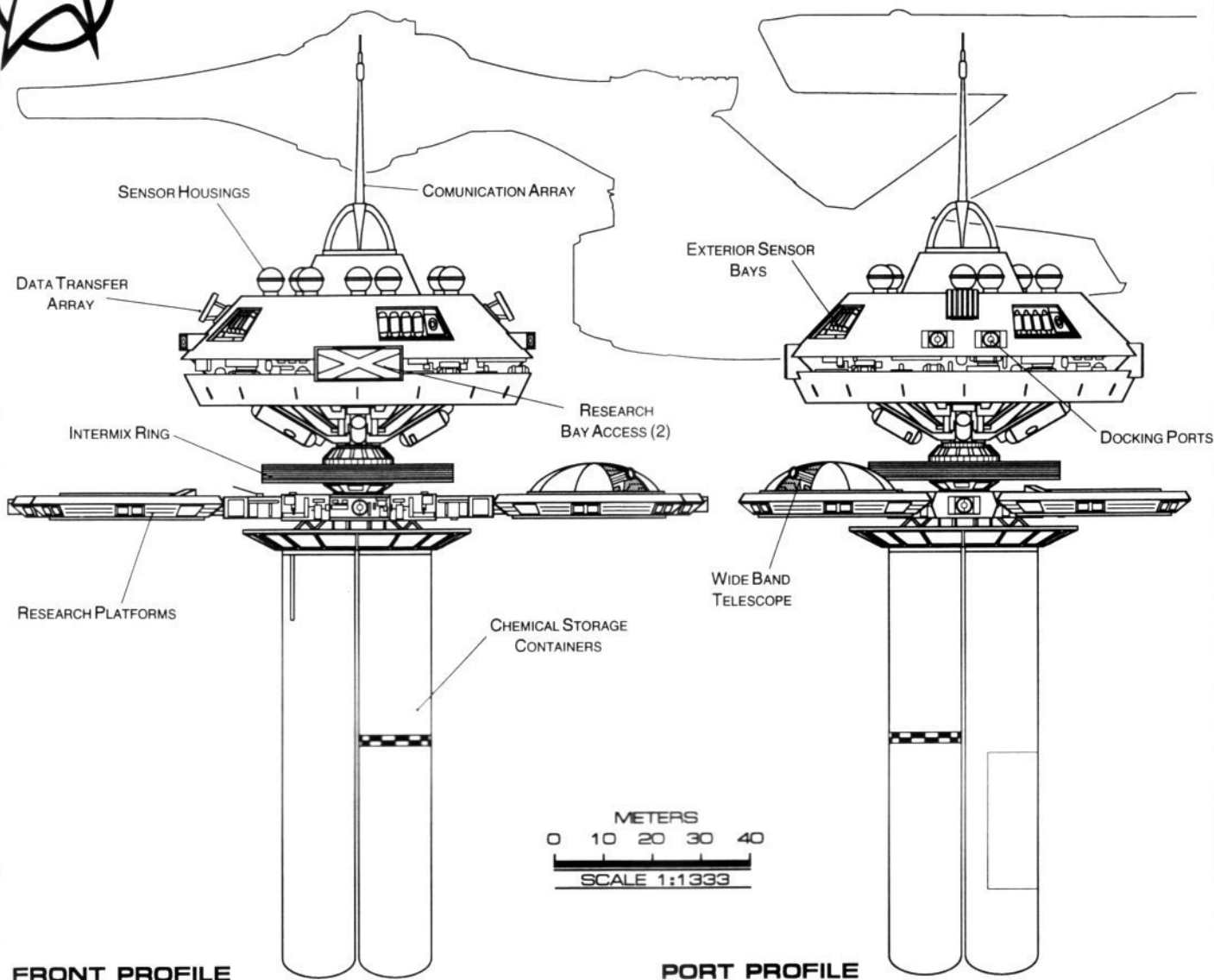


Top Silhouette
Area 10372.84 m²



SPACELAB

REGULA CLASS



FRONT PROFILE

PORT PROFILE

Statistics

Classification: Spacelab

Category: Space Station

Class: Regula

Type: Class 3

Model: Type R

Naval Construction Contract: R-1

Number Proposed: 62

Number Constructed: 62

Number in Service: 61

Number Lost: 1

Dimensions:

Overall Dimensions (Meters)

Length: 92.41m

Width: 143.47m

Height: 193.12m

Displacement (Metric Tons)

Light: 94,797mt

Standard: 101,564mt

Full Load: 113,378mt

Performance:

Secondary Reactor Output: 2.4×10^{13} W

Primary Reactor Output: 1.0×10^{15} W

Duration (Years)

Standard: 10 Years

Maximum: 40 Years

Std. Ships Complement: 539

Officers: 12

Crew (Ensign Grade): 61

Troops: 0

Passengers: 15

Emergency condition: +120

Medical Facilities:

Doctors: 3

Nurses: 8

Operating Rooms: 2

Beds: 8

Laboratories: 8

Transporters Total: 4

1 Person: 0

2 Person: 0

6 Person: 2

12 Person: 0

22 Person: 0

Small Cargo: 2

Medium Cargo: 0

Large Cargo: 0

Super Cargo: 0

Brigs: 2

Replicators: 12

Tractor Beams: 1

Tow Capacity: 1.01×10^6 mt

Max Range: 7.64×10^5 km

Cargo Specification:

Standard Cargo Units: 70

Cargo Capacity: 3,500mt

Shuttlecraft Specifications:

Docking Ports: 6

Shuttlecraft Bays Total: 1

Small Bay: 1

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 3

Work Bees: 0

Travel Pods: 0

Aquatic Shuttle: 0

Light Shuttle: 1

Standard Shuttle: 1

Survey Shuttle: 1

Cargo Shuttle: 0

Assault Shuttle: 0

Killer Bees: 0

Fighter: 0

Heavy Fighter: 0

Lifeboats: 7

Turbolift (8 person): 4

Lifeboat (10 person): 2

Lifeboat (20 person): 1

Lifeboat (30 person): 0

Computers: 2

Type: Daystrom Duotronic III:a

Type: Daystrom Duotronic II:j

Shield Rating:

Holdoff Power: 2.15×10^{12} W

Refresh Rate: 6.12×10^{11} W

Breakdown Rate: 7.35×10^{11} W

Shield Dimensions (Meters)

Length: 110.89m

Width: 172.16m

Height: 231.74m

Weapons:

Beam (Phasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Torpedoes (Photon) Total: 0

Stock: N/A

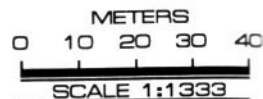
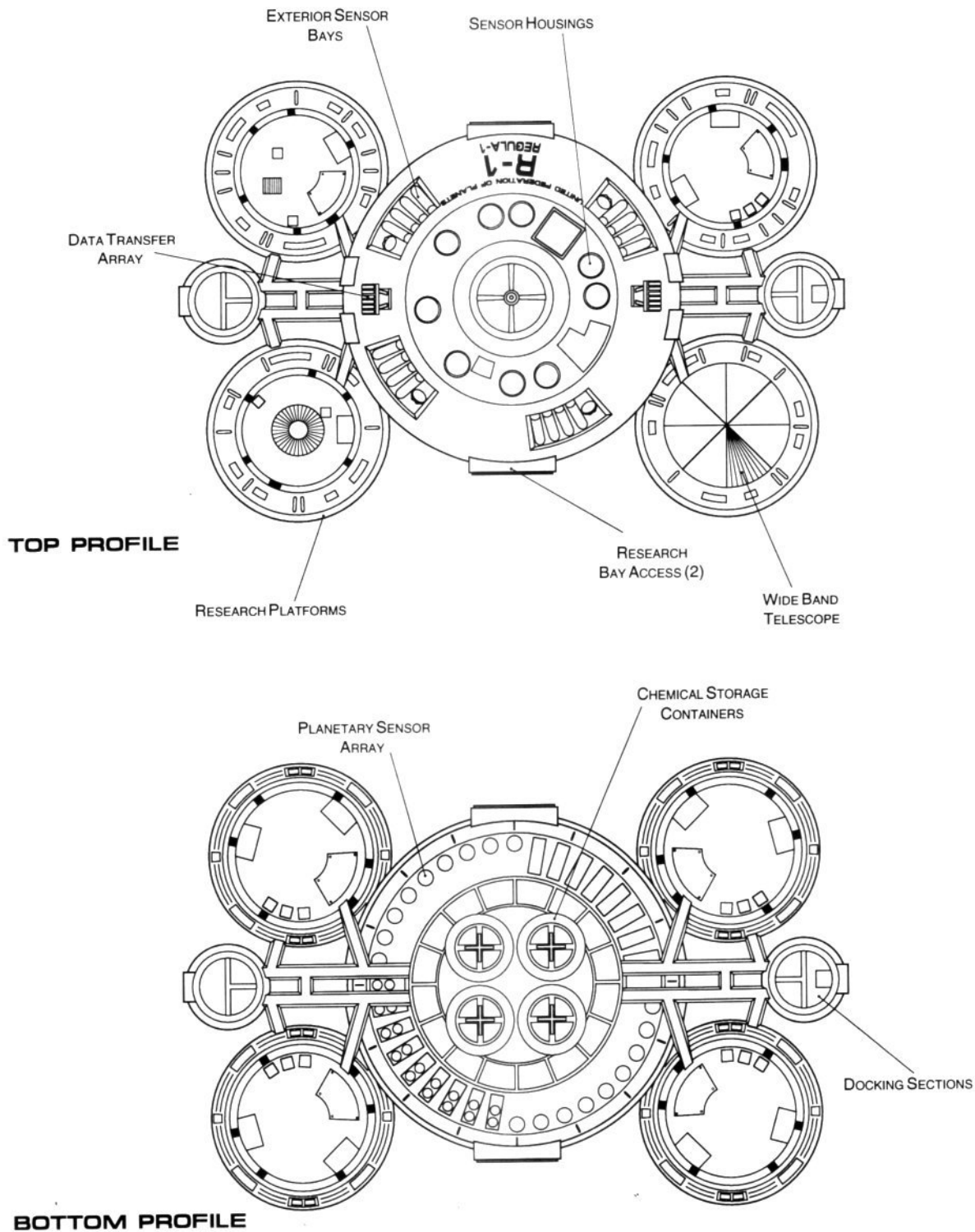
Range: N/A

Output: N/A

Rate of Fire: N/A

FEDERATION FACILITY

SPACELAB





Facility Names

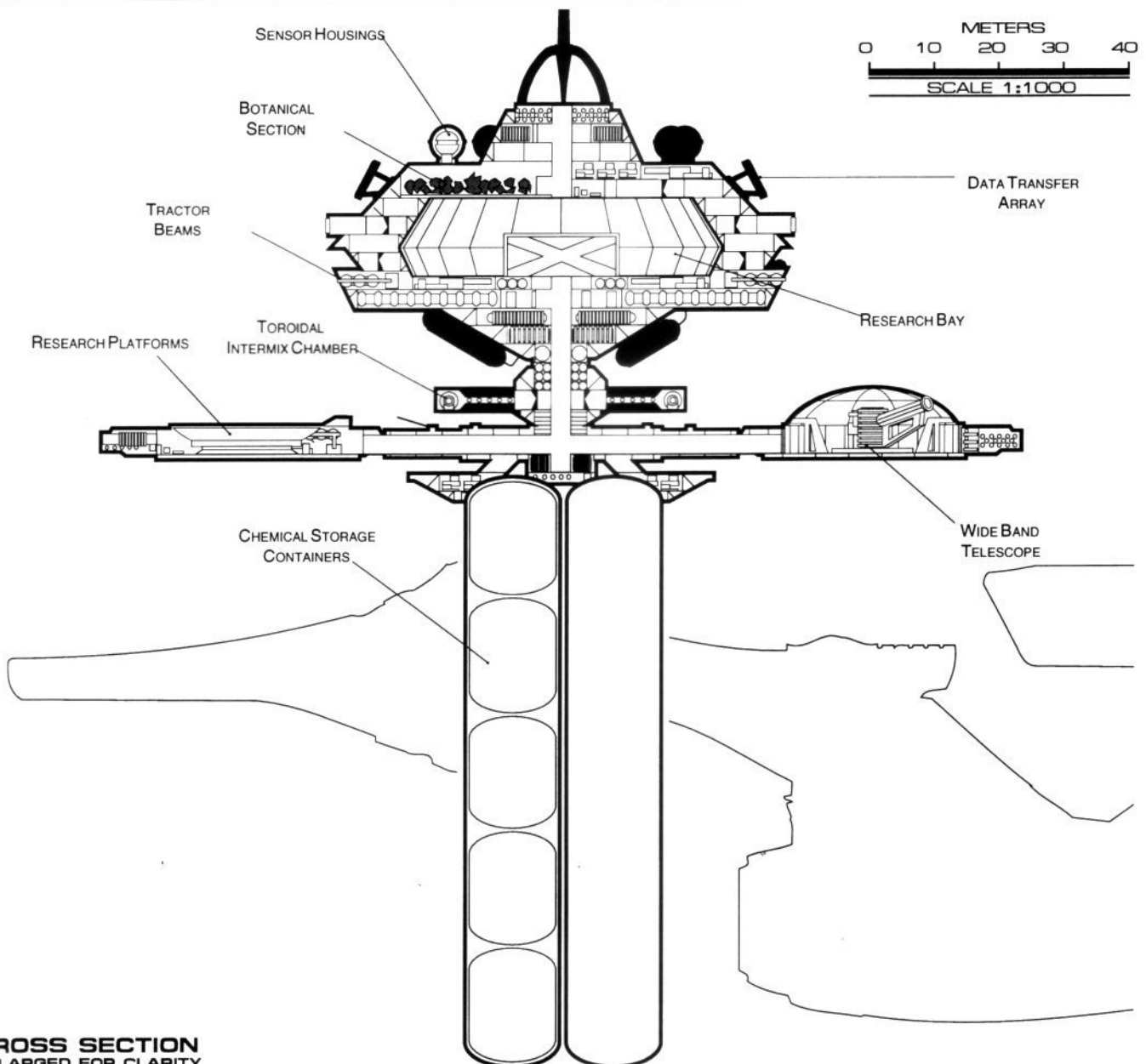
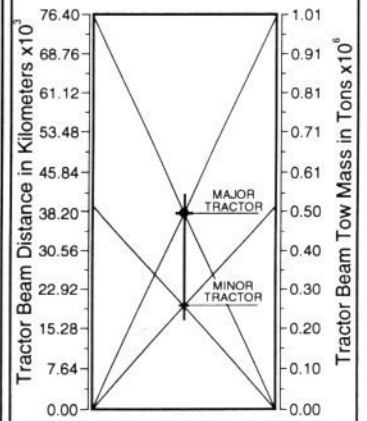
THE FOLLOWING FACILITIES OF THE TYPE R CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2272.12

REGULA - 1 •R-1*	REGULA - 26 •R-26	REGULA - 51 •R-51
REGULA - 2 •R-2	REGULA - 27 •R-27	REGULA - 52 •R-52
REGULA - 3 •R-3	REGULA - 28 •R-28	REGULA - 53 •R-53
REGULA - 4 •R-4	REGULA - 29 •R-29	REGULA - 54 •R-54
REGULA - 5 •R-5	REGULA - 30 •R-30	REGULA - 55 •R-55
REGULA - 6 •R-6	REGULA - 31 •R-31	REGULA - 56 •R-56
REGULA - 7 •R-7	REGULA - 32 •R-32	REGULA - 57 •R-57
REGULA - 8 •R-8	REGULA - 33 •R-33	REGULA - 58 •R-58
REGULA - 9 •R-9	REGULA - 34 •R-34**	REGULA - 59 •R-59
REGULA - 10 •R-10	REGULA - 35 •R-35	REGULA - 60 •R-60
REGULA - 11 •R-11	REGULA - 36 •R-36	REGULA - 61 •R-61
REGULA - 12 •R-12	REGULA - 37 •R-37	REGULA - 62 •R-62
REGULA - 13 •R-13	REGULA - 38 •R-38	
REGULA - 14 •R-14	REGULA - 39 •R-39	
REGULA - 15 •R-15	REGULA - 40 •R-40	
REGULA - 16 •R-16	REGULA - 41 •R-41	
REGULA - 17 •R-17	REGULA - 42 •R-42	
REGULA - 18 •R-18	REGULA - 43 •R-43	
REGULA - 19 •R-19	REGULA - 44 •R-44	
REGULA - 20 •R-20	REGULA - 45 •R-45	
REGULA - 21 •R-21	REGULA - 46 •R-46	
REGULA - 22 •R-22	REGULA - 47 •R-47	
REGULA - 23 •R-23	REGULA - 48 •R-48	
REGULA - 24 •R-24	REGULA - 49 •R-49	
REGULA - 25 •R-25	REGULA - 50 •R-50	

*CLASS FACILITY. **LOST IN THE LINE OF DUTY. ***PROPOSED. ALL NAMES PRECEDED WITH "UFP"

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



CROSS SECTION
ENLARGED FOR CLARITY

TURBOLIFT (LIFEBOAT)



General Information

Specific Role: Turbolifts are used for the transportation of personnel and supplies inside starships and starbases, however during emergencies the turbolift cars can be used as lifeboats. During normal use, turbolift cars are positioned at each turbolift station, allowing personnel to reach the lifeboats from almost any location. During an evacuation, as soon as a lifeboat is full, it proceeds to an outside exit for jettisoning. The lifeboat, once ejected, extends to one and a half its length increasing the internal volume from 12.67m³ to 24.88m³ and can support up to eight people for four weeks. The turbolift cars move through the turboshfts by acceleration rings located in the tube system.

Physical Description: The turbolift car is cylindrical with a large door located on the side. Located on the bottom is the emergency propulsion system and lifeboat survival equipment. On the top is the emergency beacon, sensors and landing parachute. The interior is equipped with food rations and other standard survival equipment.

For additional detail refer to Datasheet MVU-1

Class Emblem



Statistics

Classification: Turbolift (Lifeboat)
Category: Turbolift
Class: Shifter
Type: Class 5
Model: MK-IV
Naval Construction Contract: TL-34

Dimensions:
Overall Dimensions (Meters)

Length: 2.70m
Width: 2.70m
Height: 3.69/5.07m

Displacement (Metric Tons)
Light: 5.95mt
Standard: 6.38mt
Full Load: 7.12mt

Performance:

Impulse Units: Single (IP16E/4-TL)
Impulse Engine Output: 6.5x10⁵ W
Max Cruising: C

Acceleration Rate:
0.00-0.25 Impulse: 0.137 sec.
0.25-0.50 Impulse: N/A
0.50-0.75 Impulse: N/A
0.75-Full Impulse: N/A

Warp Units: N/A
Warp Engine Output: N/A
Optimum Speed: N/A

Max. Safe Cruising: N/A
Emergency Speed: N/A
Max. Speed: N/A

Destructive Speed: N/A
Acceleration Power: N/A
Acceleration Times:

Warp 1 - Warp 2: N/A
Warp 2 - Warp 3: N/A
Warp 3 - Warp 4: N/A
Warp 4 - Warp 5: N/A
Warp 5 - Warp 6: N/A
Warp 6 - Warp 7: N/A
Warp 7 - Warp 8: N/A
Warp 8 - Warp 9: N/A
Warp 9 - Warp 9.5: N/A
Warp 9.5 - Warp 9.75: N/A
Warp 9.75 - Warp 9.9: N/A

Duration (Years)

Standard: 5 Years
Maximum: 20 Years

Std. Ships Complement: 8

Crew: 0
Passengers: 8
Emergency condition: +2

Transporters Total: 0

1 Person: 0
2 Person: 0
6 Person: 0
Small Cargo: 0
Medium Cargo: 0

Tractor Beams: 0

Tow Capacity: N/A

Max Range: N/A

Cargo Specification:

Standard Cargo Units: N/A

Cargo Capacity: N/A

Shuttlecraft Specifications:

Docking Ports: 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 0.823

Stellar Survey: 0.225

Short Range: 1.011

Long Range: 0.356

Navigation: 0.125

Special: 0.112

Computers: 1

Type: Norray-Magne 5:s

Type: N/A

Shield Rating:

Holdoff Power: 4.72x10⁴ W

Refresh Rate: 1.34x10⁴ W

Breakdown Rate: 1.61x10⁴ W

Shield Dimensions (Meters)

Length: 3.24m

Width: 3.24m

Height: 4.82m

Weapons:

Weapon Placement:

Beam (Phasers) Total: N/A

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward Banks: 0

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (HeavyPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Missiles (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

Craft Silhouettes

Total Target Area 21.10, 31.28 m²
Average Target Area 7.03, 10.43 m²



Top Silhouette
 Area 5.69, 5.91 m²
 *Brakes Extended

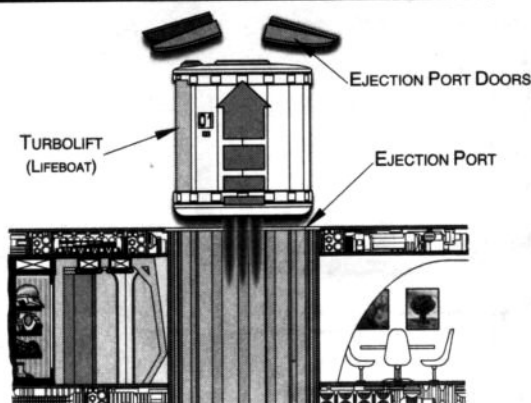


Front Silhouette
 Area 7.70, 12.79 m²



Port Silhouette
 Area 7.71, 12.80 m²

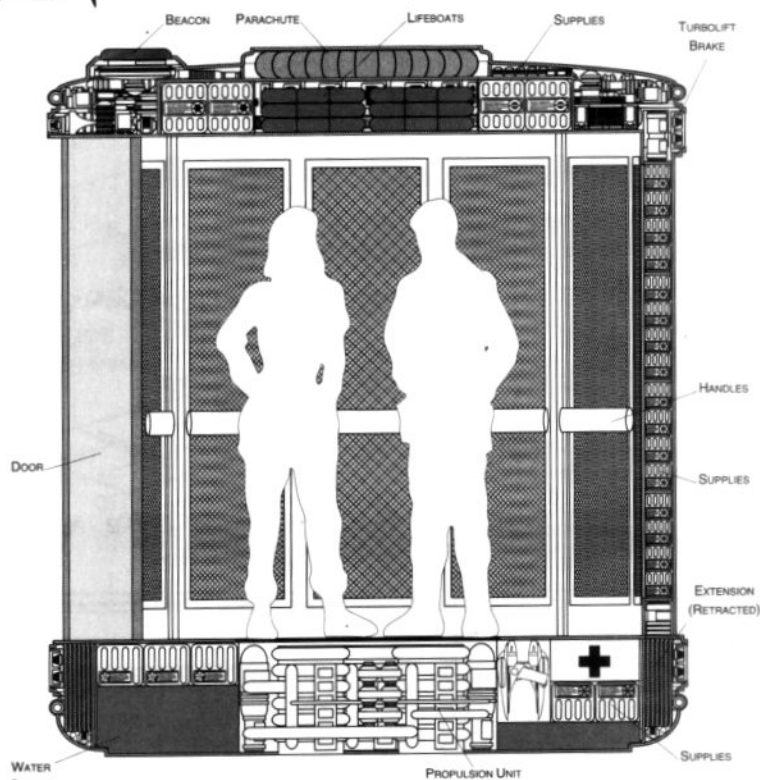
Turbolift Ejection



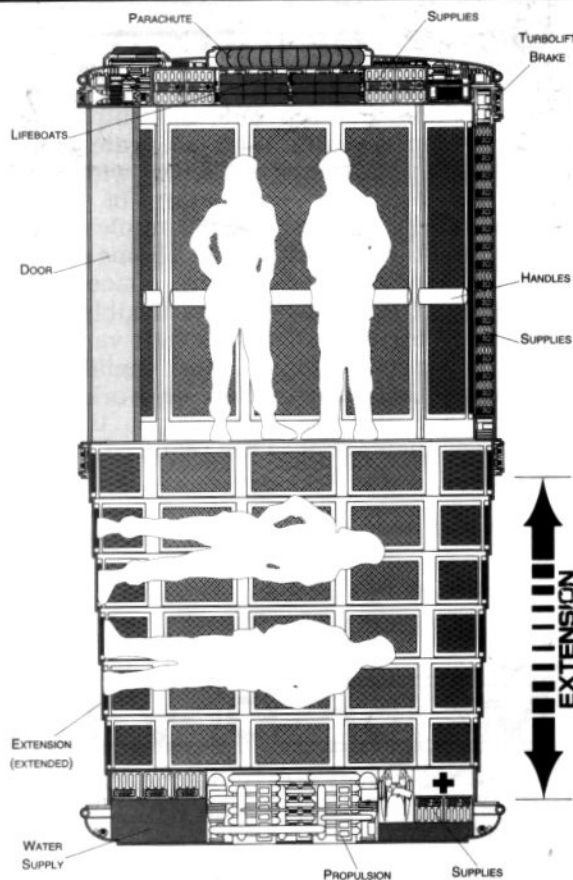


TURBOLIFT (LIFEBOAT)

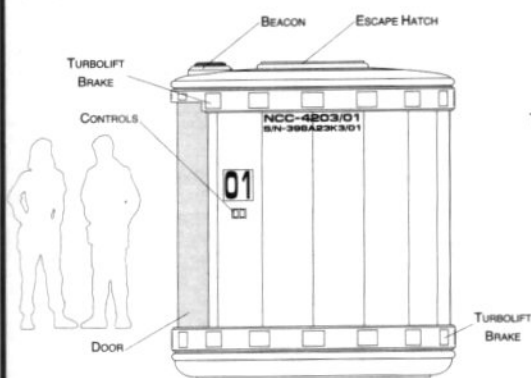
SHIFTER CLASS



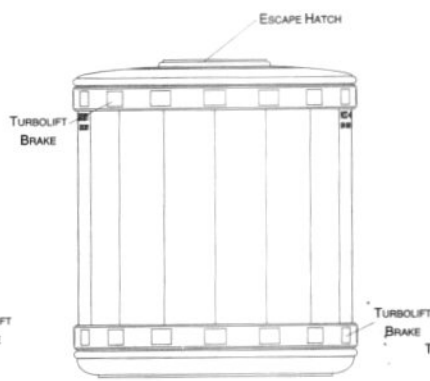
CROSS SECTION
Enlarged for Clarity



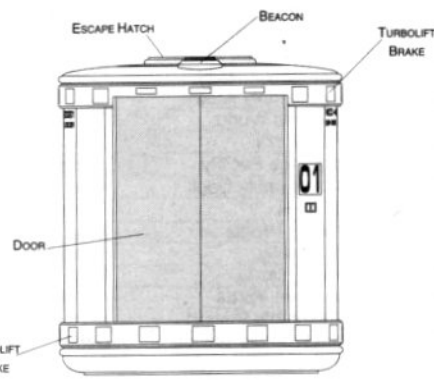
CROSS SECTION
Extended (Lifeboat)



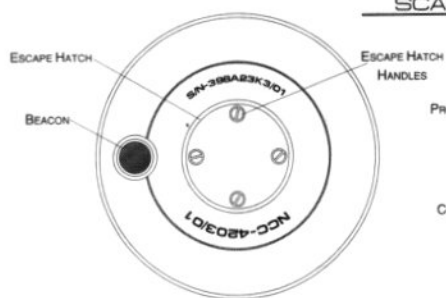
PORT PROFILE



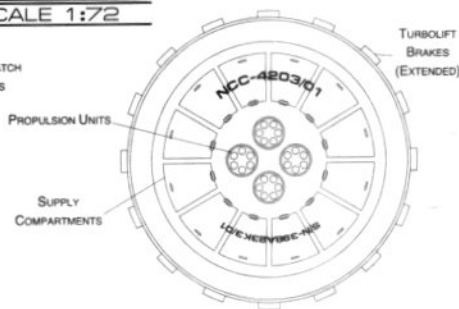
REAR PROFILE



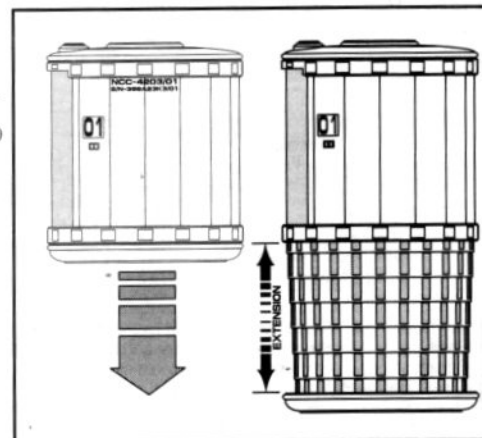
FRONT PROFILE



TOP PROFILE



BOTTOM PROFILE
Brakes Extended

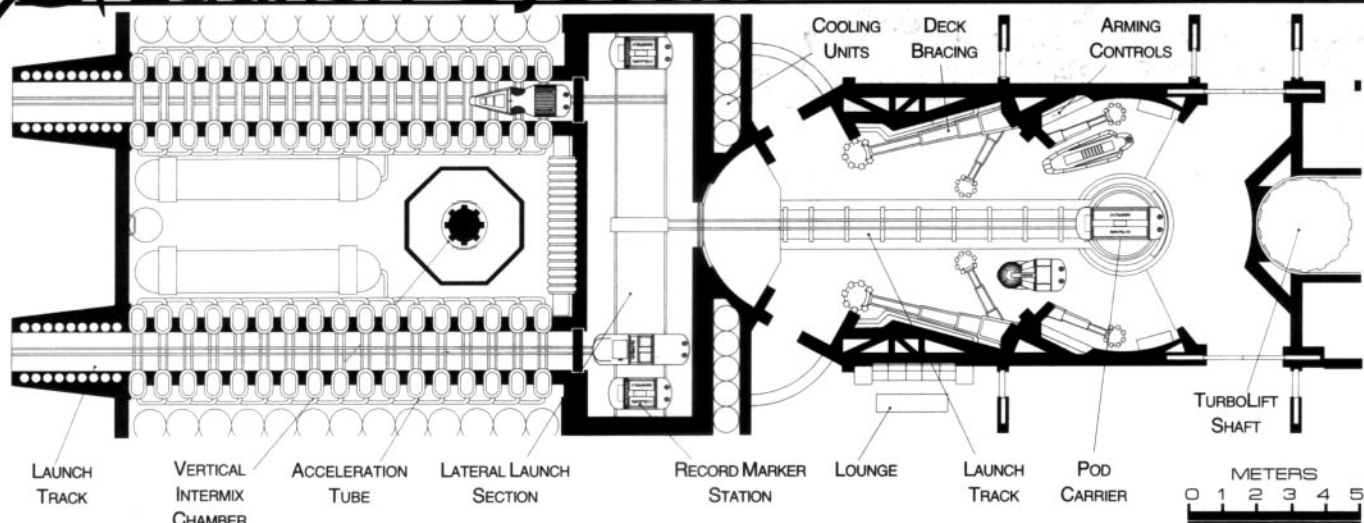


FEDERATION CRAFT



TORPEDOES/PROBES

Launch System



Size Comparison

Probes

Class I

Sensor Probe



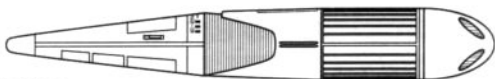
Class II

Sensor Probe



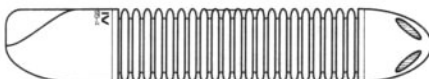
Class III

Planetary Probe



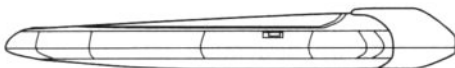
Class IV

Stellar Encounter Probe



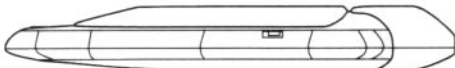
Class V

Reconnaissance Probe



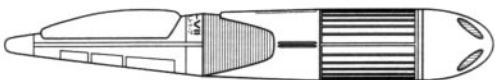
Class VI

Communication Relay / Emergency Beacon



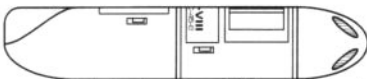
Class VII

Remote Culture Study Probe



Class VIII

Medium Range Multimission Warp Probe



Class IX

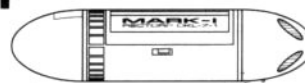
Long Range Multimission Warp Probe



Torpedoes

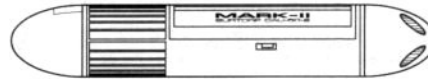
Mark I

Record Marker



Mark II

Surveillance Torpedo



Mark III

Space Mine



Mark IV

ECM Torpedo



Mark V

Sensor Torpedo



Mark VI

Photon Torpedo



Mark VII

Vessel Simulator Torpedo



TORPEDO



Torpedoes

All torpedoes are based on the same basic components. The front section contains the torpedo's sensors, the center section contains the payload and the rear section contains the micro-warp units used for propulsion. All torpedoes, in addition to carrying out specific missions, can act as low yield anti-matter torpedoes by detonating the remaining anti-matter used to drive the micro warp units. The torpedoes are launched from torpedo launch tubes that are standard on most Federation vessels.

Torpedo Emblem



For additional detail refer to Datasheet MVE-1

Mark I Record Marker Torpedo

General Information: The Record Marker Torpedo is the proverbial jettisonable black box of starships. When a vessel gets into a fatal situation, a record marker is jettisoned with all up to date records for an accurate account of events. A record marker is kept primed at all times to be jettisoned in the event that the vessel is unexpectedly destroyed. The marker can automatically transmit a distress beacon or lay in silence in enemy territory until a Federation craft transmits an activation signal. If an unauthorized attempt is made to access the marker's encrypted data it will self-destruct. Extra thick hull and advanced shielding allow the marker to survive in most instances even when the vessel has been completely destroyed.

Classification: Record Marker Torpedo

Class: MARK I

Dimensions:

Overall Dimensions (Meters)

Length: 1.95 m

Width: 0.98 m

Height: 0.47 m

Displacement (Metric Tons)

Standard: 98.7 kg

Performance:

Warp Units: 4 Micro Warp Units (LG-3)

Cruising Speed: Warp 3

Max. Speed: Warp 9.77 Burst

Range: 1.2×10^6 km

Duration: Years in Reserve Mode

Telemetry:

Channels: 4,852

Output: 80 MW

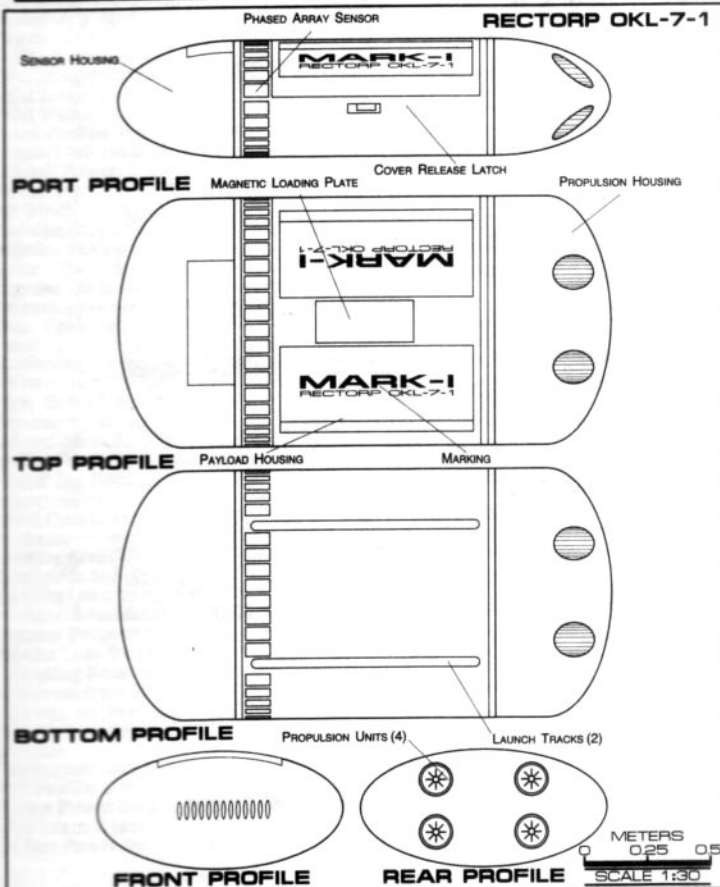
Sensors:

Standard Package

Additional Features:

Femto Second Data Collection

Multi-Frequency Beacon





TORPEDO

VALAC CLASS

Mark II Surveillance Torpedo

General Information: The Surveillance Torpedo is used when military surveillance is required. The pod is generally seeded in a target area or covertly placed in orbit around a planetary body. Located around the main housing are 44 phased array sensors. If required the pod can be used to attack the surveyed target.

Classification: Surveillance Torpedo

Class: MARK II

Dimensions:

Overall Dimensions (Meters)

Length: 2.75 m

Width: 0.98 m

Height: 0.47 m

Displacement (Metric Tons)

Standard: 142.5 kg

Performance:

Warp Units: 4 Micro Warp Units (LG-3)

Cruising Speed: Warp 3

Max. Speed: Warp 9.77 Burst

Range: 1.2×10^6 km

Duration: Years in Reserve Mode

Telemetry:

Channels: 4,852

Output: 80 MW

Sensors:

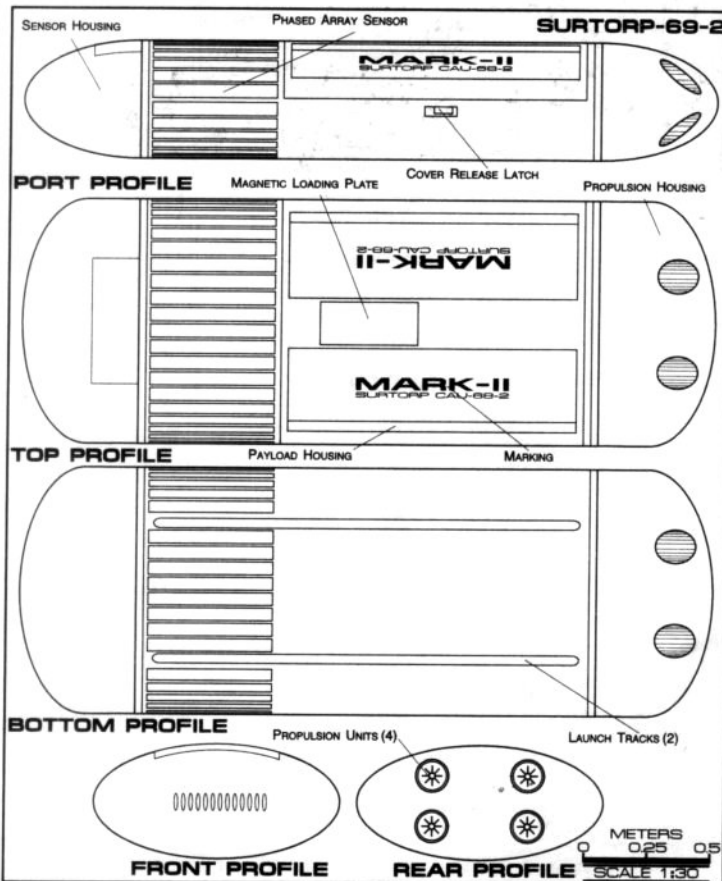
Standard Package

Additional Features:

Femto Second Data Collection

Multi-Frequency Beacon

Phased Array Sensor



Mark III Space Mine

General Information: The Space Mine is a small anti-matter charged Photon Torpedo that can lay in waiting until an enemy craft enters its zone of protection. The mine can either be programmed to intercept an enemy craft or to follow enemy craft in an attempt to destroy additional enemy vessels that the craft may approach. The mine is equipped with sophisticated ship recognition software that allows the pod to evaluate each vessel that moves into its target area.

Classification: Space Mine

Class: MARK III

Dimensions:

Overall Dimensions (Meters)

Length: 1.95 m

Width: 0.98 m

Height: 0.47 m

Displacement (Metric Tons)

Standard: 110.2 kg

Performance:

Warp Units: 4 Micro Warp Units (LG-3)

Cruising Speed: Warp 3

Max. Speed: Warp 9.9 Burst

Range: 1.2×10^6 km

Duration: Years in Reserve Mode

Telemetry:

Channels: 200

Output: 12 MW

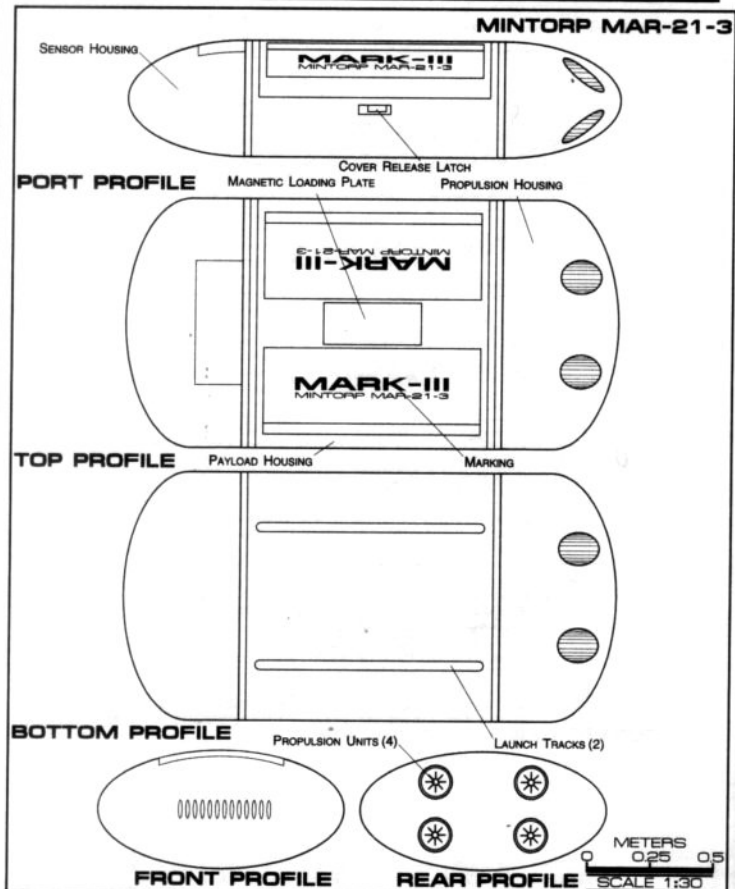
Sensors:

Standard Package

Additional Features:

Ship Analysis Software

Variable Payload 10-50 Megatons



FEDERATION TORPEDO

TORPEDO



VALAC CLASS

Mark IV ECM Torpedo

General Information: Electronic Counter-Measures Torpedoes are used to jam and mislead enemy sensors. ECM torpedoes can be used alone or in multiples allowing a vessel to saturate an area reducing the effectiveness of enemy sensors. The torpedo can also simulate a wide variety of naturally occurring background radiation to subtly obscure enemy sensors.

Classification: ECM Torpedo

Class: MARK IV

Dimensions:

Overall Dimensions (Meters)

Length: 2.75 m

Width: 0.98 m

Height: 0.47 m

Displacement (Metric Tons)

Standard: 139.8 kg

Performance:

Warp Units: 4 Micro Warp Units (LG-3)

Cruising Speed: Warp 3

Max. Speed: Warp 9.77 Burst

Range: 1.2×10^6 km

Duration: Years in Reserve Mode

Telemetry:

Channels: 4,852

Output: 80 MW

Sensors:

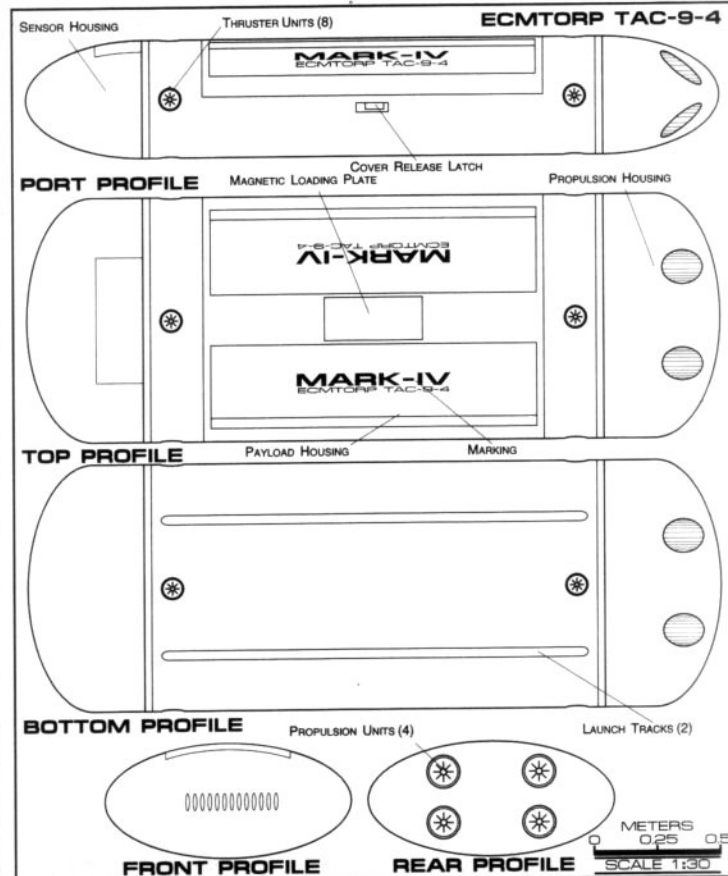
Standard Package

Additional Features:

Femto Second Data Collection

Multi-Frequency Beacon

Electronic Counter Measures



Mark V Sensor Torpedo

General Information: The Sensor Torpedo is used for long range reconnaissance missions. Located along the lower part of the payload section are 425 phased array sensor discs which give the pod an exceptionally sensitive data acquisition system. In order to avoid detection many of the torpedoes sensors are designed for passive information gathering. If required, the torpedo can also be used to attack enemy targets at remote locations.

Classification: Sensor Torpedo

Class: MARK V

Dimensions:

Overall Dimensions (Meters)

Length: 2.75 m

Width: 0.98 m

Height: 0.47 m

Displacement (Metric Tons)

Standard: 142.5 kg

Performance:

Warp Units: 4 Micro Warp Units (LG-3)

Cruising Speed: Warp 3

Max. Speed: Warp 9.77 Burst

Range: 1.2×10^6 km

Duration: Years in Reserve Mode

Telemetry:

Channels: 4,852

Output: 80 MW

Sensors:

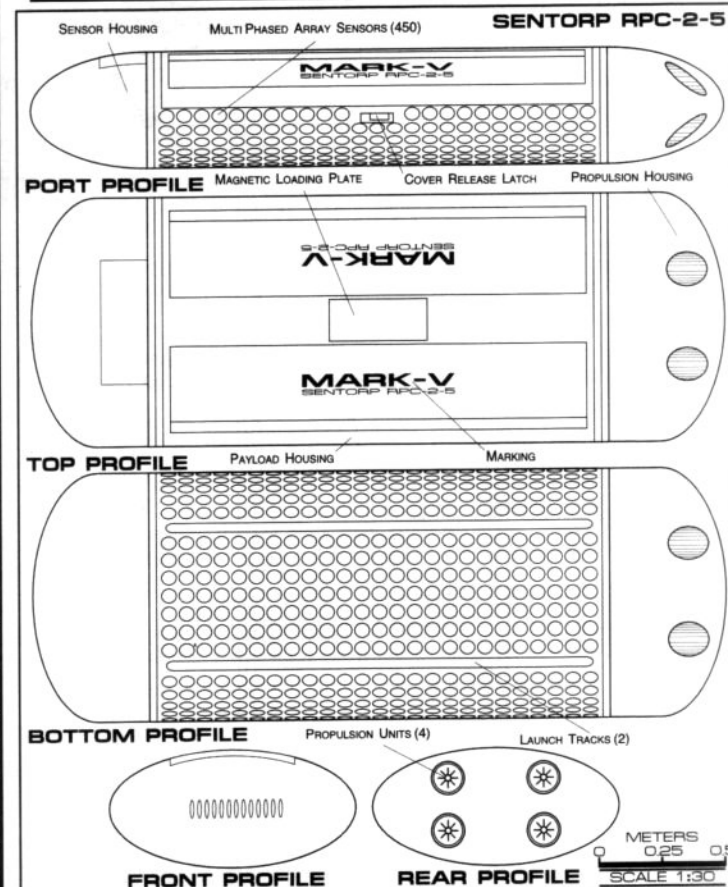
Standard Package

Additional Features:

Femto Second Data Collection

Multi-Frequency Beacon

Multi-Phased Array Sensor



FEDERATION TORPEDO



Mark VI Photon Torpedo

General Information: The Photon Torpedo is one of the most common weapons carried aboard Federation vessels. The Photon torpedo contains anti-photons (antimatter) which have light-speed annihilation times which heavier antimatter particles such as anti-protons and anti-neutrons cannot achieve. This reduced reaction time, creates a faster, more intense shock wave for a very destructive effect.

Classification: Photon Torpedo

Class: MARK VI

Dimensions:

Overall Dimensions (Meters)

Length: 2.75 m

Width: 0.98 m

Height: 0.47 m

Displacement (Metric Tons)

Standard: 140.3 kg

Performance:

Warp Units: 4 Micro Warp Units (LG-3)

Cruising Speed: Δ96 C

Max. Speed: Warp 9.8

Range: 1.2×10^6 km

Duration: Years in Reserve Mode

Telemetry:

Channels: 300

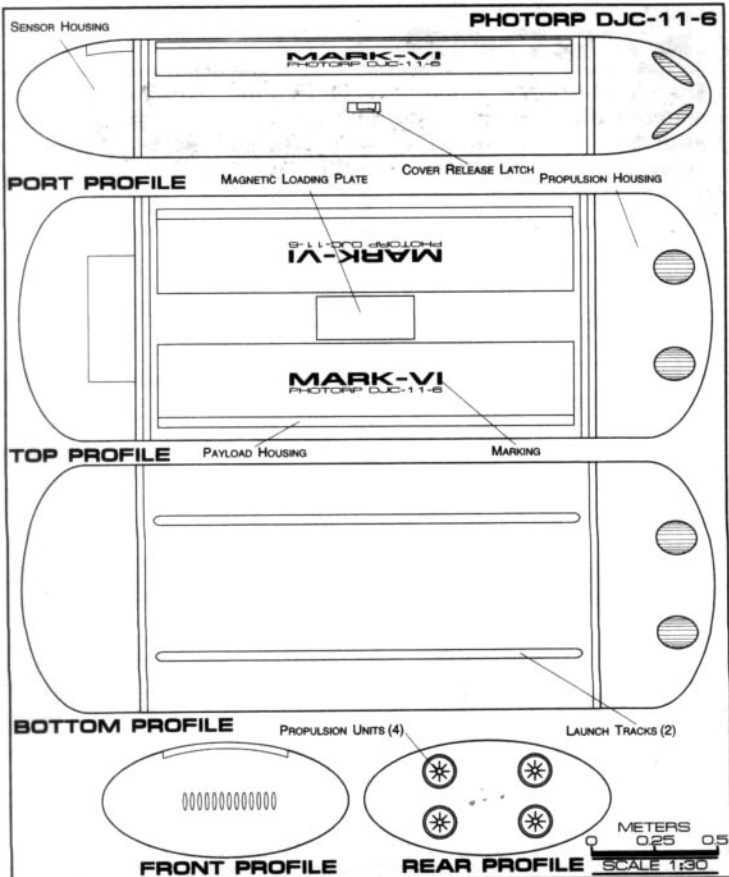
Output: 20 MW

Sensors:

Standard Package

Additional Features:

Variable Payload 10-50 Megatons



Mark VII Vessel Simulator Torpedo

General Information: This torpedo can simulate various spacecraft with the exception of a visual output. The torpedoes can be used alone or in groups to simulate multiple vessels. They can also be used as decoys drawing attention away from the launch vessel.

Classification: Vessel Simulator Torpedo

Class: MARK VII

Dimensions:

Overall Dimensions (Meters)

Length: 2.75 m

Width: 0.98 m

Height: 0.47 m

Displacement (Metric Tons)

Standard: 138.2 kg

Performance:

Warp Units: 4 Micro Warp Units (LG-3)

Cruising Speed: Warp 3

Max. Speed: Warp 9.77 Burst

Range: 1.2×10^6 km

Duration: Years in Reserve Mode

Telemetry:

Channels: 4,852

Output: 80 MW

Sensors:

Standard Package

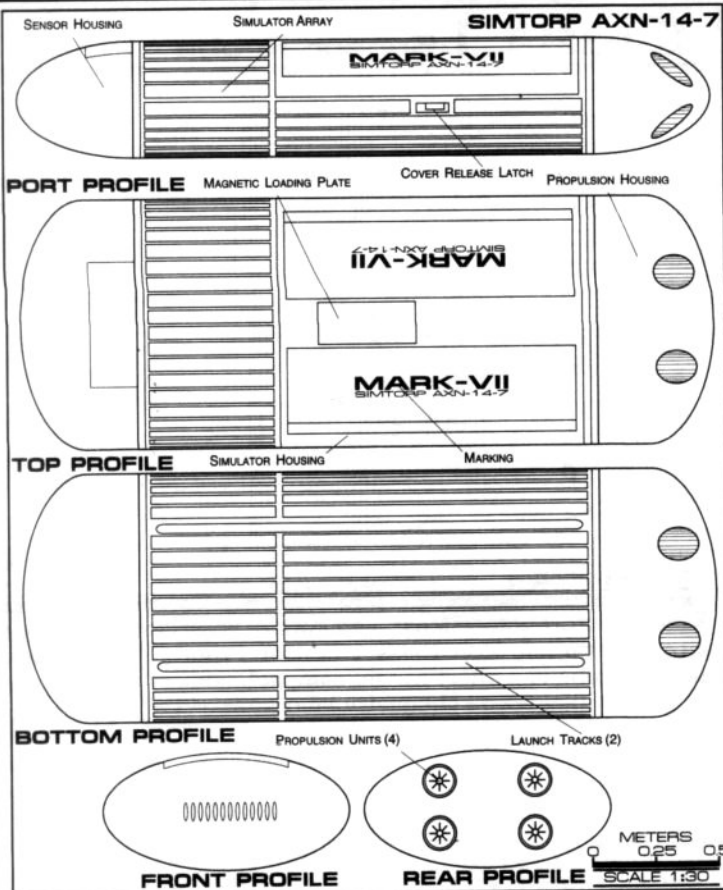
Additional Features:

Femto Second Data Collection

Multi-Frequency Beacon

Simulator Array

Vessel Simulation Software



CLOSING

Closing Information





General Information

Class Emblem

Ship Silhouettes



PORT PROFILE

CROSS SECTION

Statistics

SPACE CONTROL SHIP



EXCELSIOR CLASS

TOP PROFILE

FRONT PROFILE

REAR PROFILE

BOTTOM PROFILE

METERS
0 25 50 75
SCALE 1:3000

FEDERATION VESSEL



Ship Names

*CLASS SHIP, **LOST IN THE LINE OF DUTY, ***PROPOSED. ALL NAMES PRECEDED WITH U.S.S.

WARP FIELDS

